

**USEFUL  
MATRIX  
INFORMATION**



**OCTOBER, 1937**

THIS BOOKLET IS CRUDELY SET IN MEMBERS OF THE  
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# USEFUL MATRIX INFORMATION



OCTOBER, 1937

**MERGENTHALER LINOTYPE COMPANY**

29 Ryerson Street, Brooklyn, N. Y.

NEW YORK CITY • CHICAGO • SAN FRANCISCO • NEW ORLEANS

CANADIAN LINOTYPE LIMITED, TORONTO

Representatives in the Principal Cities of the World

# CONTENTS

## MATRIX INFORMATION

	PAGE
How to Order Matrices .....	3-5
Key to Matrix Terms .....	6-8
Figures .....	9
Leaders .....	9, 10
Point System .....	10
Matrix Bridge and Notches .....	11-13
Tooth Combinations, Function of .....	14, 15
Tooth Combination Charts .....	16-20

## FACE IDENTIFICATION NUMBERS

One-Letter .....	21-23
Two-Letter .....	23-42
Display .....	43-58

## FONT SCHEMES, SUGGESTED .....

59-80

## ACCENTED CHARACTERS .....

81, 82

## KEYBOARD DIAGRAMS .....

83-107

## ALL-PURPOSE LINOTYPE

Description .....	110
Equipment .....	110
Matrix Data .....	111-113
List of Faces .....	114, 115
Font Schemes .....	116, 117

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## Useful Matrix Information

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The Mergenthaler Linotype Company carries in stock a full supply of matrices to meet the exacting demands of printers throughout the world. Matrices can be supplied for composition in over seventy different languages. With the great number of different characters to be supplied, the importance of giving careful attention to accuracy of detail in preparing orders will be appreciated.

Every possible facility is provided for the proper selection and ordering of matrices according to the style of face and the characters desired. Orders should be typewritten, preferably, and the name of the face given. One copy should be retained for reference.

### MATRIX ORDER FORMS

Linotype matrix order forms are supplied in any quantity, free upon request. They should always be used in ordering matrices. This enables us to fill orders correctly and promptly.

Order forms can be supplied for regular characters, accents, fractions, logotypes and other special characters, border matrices and matrix slides, as well as for all foreign characters. Always use the correct type of order form. Use one sheet for each face and point size thereof.

It is important to know the Linotype model for which the matrices are intended, as well as the particular style of magazine used. This is necessary because various Linotype models differ in so far as milling of matrix lugs and magazine limitations are concerned.

### FULL NAME OF FACE

The full name of the face should always be entered at the top of each order, thus

- 10 point Excelsior with Italic and Small Cops; or
- 10 point Excelsior with Bold Face No. 2; or
- 10 point Excelsior with Memphis Bold

We frequently receive orders, for example, 10 point Excelsior. As shown above, this face is made in various combinations, and in such cases it is difficult to fill the order correctly without asking for further information.

### TRIANGLE NUMBERS

The system of marking matrices is shown in the illustrations on page 6. The triangle is the trade-mark of the Mergenthaler Linotype Company. When uncertain of the correct name of face, matrices may be ordered according to the numerical marking on the side. The triangle number should always be entered on the matrix order form. Always copy the marking exactly, as, for instance, 10△386. Do not choose a matrix at random or take one from a pi tray to obtain the triangle marking. Select a lower case n from the face for which matrices are wanted; if figures are ordered select a figure 5. The reason for this is that reference characters, quads, leaders, special characters and fractions in some fonts bear markings different from the alphabet character.

### ACCENTED CHARACTERS

The standard accents shown on pages 81 and 82 will be supplied with any standard face at the regular sorts price. Characters not shown can be made to order at a special price which will be quoted on request.

There are two ways to accommodate accents on Linotype matrices—low cap accents and high cap accents. It is the usual practice to supply the low cap form of accented character so as to avoid the use of a special mold. The character is slightly reduced so that the diacritical mark and the character will not exceed the normal height of the cap character.

When low cap accents are considered undesirable, we can supply high cap accents. The extra space required by this style of accent on a cap character of full height makes it necessary to change the aligning point of the mold so that the accent will cast flush on the smooth edge of the slug without trimming off. This makes it necessary to cast a given size on a body two points larger than standard up to 14 point and approximately 4 points larger than standard on display faces. The high cap accent mold can be used on regular composition with or without accents and the extra space above mentioned will appear on the smooth edge instead of the ribbed edge of the slug.

High cap accents cannot be cast in display faces larger than 32 point, as full 36 point body is required for the cap character and its accent. Where caps only are used, high cap accents can be cast in display faces up to 36 point.

### **FRACTIONS**

In ordering fractions, always state whether they are to run in the regular channels of the magazine or as sarts. Unless otherwise specified, they will be furnished as sarts.

Also mention whether fractions are required on an em or en body. Unless otherwise ordered, they are all furnished on an em body.

### **SUPERIOR AND INFERIOR CHARACTERS**

When these characters are ordered, a sample character should accompany the order. This will enable us to fill the order accurately.

### **SPECIAL CHARACTERS**

Special characters are frequently ordered from our specimen books. These specimen books contain individual showings of Linotype faces, each bearing different publication dates. Since the advent of our Universal Classification in 1923, all character numbers as shown in the specimen books prior to the Universal Classification lists have been discontinued. Therefore, when ordering a special character by number the source from which the character number is taken should always be entered on the order under "Remarks."

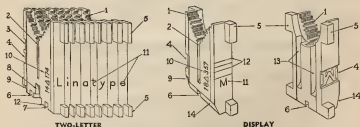
### **WHERE CHARACTERS WILL RUN**

In the latter part of this booklet a complete list of display faces is given, together with the magazines in which they can be run, providing the standard keyboard layout is used. When display characters are ordered, these charts should always be consulted to see if the face will run in the magazine desired.

When characters are ordered to run in a magazine other than according to the standard layout, information should always be given as to where the displaced characters are to run. Attention is called to the fact that when a character runs in a different channel than standard, the character which is displaced must naturally be run in another location or sarts.

## KEY TO MATRIX TERMS

In order that the terms and functions of various parts of a matrix may be readily understood, we present the diagrams shown below:



### 1. TEETH

Projections on the inside of the triangular opening at the top of the matrix. There are seven of these teeth on either side. The teeth which are left in are called the tooth combination. As the matrix travels along the distributer bar, it is supported by corresponding teeth on the bar. At a predetermined point, the teeth on the bar are cut away. The matrix, being no longer supported, drops through the channel entrance and to its proper place in the magazine. A matrix with all the teeth in is called a "pi" matrix, and passes all the combinations on the distributer bar, falling down the pi chute to the pi stacker.

### 2. BAR POINT SLOT

This is a slot projecting downward toward the bottom of the matrix. The object is to make all matrices of the same thickness at this one point. The slot registers with the projecting blade on the distributer bar to prevent the lifting of two matrices at one time into the distributing screws.

### 3. REGULAR POSITION

This denotes the character in the regular or normal position of a two-letter matrix. Matrices from 4 to 24 point can be supplied with two characters. Above 24 point only one character can be used.



**4. AUXILIARY POSITION**

This denotes the character in the auxiliary or raised position. Characters on one-letter display matrices 16 to 60 point are also in the auxiliary position.

**5. LUGS**

These are sometimes called "ears." They are made to a certain thickness according to the magazine channel in which the matrix is to run. The lugs are the guiding points of the matrix throughout its travel. The lower lug (on the character side) determines the horizontal alignment of the character in the matrix, for this lug works against the aligning groove in the mold body.

**6. FONT SLOT**

This is a small slot in the bottom of the matrix for use on single distributor machines. In conjunction with the automatic font distinguisher, it prevents wrong fonts from entering the magazine.

**7. BRIDGE NOTCH**

A slightly larger opening than the font slot. It is used in conjunction with the matrix bridge on multiple distributor Linotypes to permit the matrix to distribute to its proper magazine.

**8. BEVEL NOTCH**

A notch cut in matrices for Models such as 9, 16 and 17, and used to prevent two matrices from being lifted at one time into the distributor screws.

**9. CLEARANCE CUT**

This is a feature of Linotype matrices. It protects the side walls of matrices as they are assembled.

**10. TRIANGLE NUMBER**

The triangle is the trade-mark of the Mergenthaler Linotype Company. The number before the triangle indicates the point size of the matrix. The number after the

## **(8) USEFUL MATRIX INFORMATION**

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triangle indicates the name of the matrix face. The entire marking should always be given when ordering matrices.

### **11. REFERENCE MARKING**

These are characters punched in the reference side of the matrix to enable the operator to read the line of matrices as they are assembled.

### **12. FACE LINES**

These are lines cut in the bottom of two-letter matrices (and on the reference side of display matrices) to identify the font. When matrices of a two-letter font are stacked in a sorts tray, the various lines match up and tell at a glance whether a wrong font matrix is present. With display faces, wrong font matrices can be detected in the sorts tray or the assembling elevator, since the face lines are on the reference side of the matrix.

### **13. LIGHTENING GROOVES**

As the name implies, these grooves are cut in large matrices to lighten them. On extra large matrices a lightening hole is used instead of a slot.

### **14. BEVEL CUT**

An angle cut used on larger matrices to permit proper distribution.

## FIGURES

The largest figure which will run in regular figure channel of the standard 90-channel magazine is .1107 wide; in the 72-channel magazine, .2075; in the wide 72-channel magazine, .249; in the 28-channel auxiliary magazine, .218; in the 34-channel auxiliary magazine, .249 in left side and .221 in right side; in the wide 34-channel auxiliary magazine, .315 in left side and .311 in right side. The largest figure that will run in a 90-channel magazine according to the Advertising Figure Layout is .166. Size of figures in all faces is indicated in matrix data on all specimen sheets.

It is important to note the design of the three styles of figures available with old style faces: modern, old style, and modernized. The style desired should always be specified on supply orders and machine specifications.

### MODERN FIGURES

1 2 3 4 5 6 7 8 9 0

Modern figures have a common alignment, that is, are all of the same height, and have the characteristics of modern type faces—square serifs, contrasting thick and thin strokes, and, in most cases, longer body per point size. They are not ordinarily used with old style faces.

### OLD STYLE FIGURES

1 2 3 4 5 6 7 8 9 0

Old style figures have ascenders and descenders, and have the modeled serifs and tapering thick and thin strokes characteristic of old style type faces.

### MODERNIZED FIGURES

1 2 3 4 5 6 7 8 9 0

Modernized figures are old style figures brought to a common alignment, with the shapes of the 1, 2 and 0 changed accordingly.

## LEADERS

Leaders of various styles have been designed to meet the major requirements of the trade.

**Regular Leaders.**—Regular leaders match the weight of face with which they are used and cast type high. Furnished in round dot or hyphen style in two, four or six dots or strokes to the em.

**Universal Leaders.**—Universal leaders are for Book and Jobbing work. The weight of the dot or stroke is uniform in all point sizes regardless of the style of the face with which they are used. These leaders are .003 shallower than type high, so they will not punch through the paper in printing. Universal round dot leaders are furnished two, four and six dots to the em. Universal hyphen leaders are furnished in two and four strokes to the em.

**Thin Leaders.**—Thin leaders are used with either of the above styles for close justification when only one spacebond is used in the line. Available in quarter-em widths in round dot or hyphen style, 8, 10, 12 and 14 point sizes.

**Newspaper Leaders.**—The regular round dot or hyphen leader .005 shallower than type high to minimize punching through the paper. Furnished in two, four or six dots or strokes to the em.

**Newspaper Radial Leaders.**—Round dot style only, and are made with a rounded or radial printing surface to prevent perforating paper and damaging press blankets. .005 shallower than type high. Furnished in two dots to the em.

## (10) USEFUL MATRIX INFORMATION

**Leader Aligning Dashes.**—Cast a continuous unbroken line. Useful for jobbing work. Can be supplied in all standard alignments in uniform set-widths of 2, 3 and 12 points. Also available in en and em widths as substitutes for regular dot or hyphen leaders.

**Jobbing Leaders.**—Made in 6, 8, 10, 12 and 14 point alignments, two and four strokes, and on 6 and 12 point set-width only. The weight of the stroke and the set-width of the character is uniform in all point sizes.

### POINT SYSTEM

Sizes of Type		Decimal Measurements of Bodies From 1 to 72 Point	
Excelsior .....	3 point	1.....	.01383
Brilliant .....	4 point	2.....	.0277
Diamond .....	4½ point	3.....	.0415
Pearl .....	5 point	4.....	.0553
Agate .....	5½ point	4½.....	.0622
Nonpareil .....	6 point	5.....	.0692
Minion .....	7 point	5½.....	.0761
Brevier .....	8 point	6.....	.083
Bourgeois .....	9 point	7.....	.0968
Long Primer .....	10 point	8.....	.1107
Small Pica .....	11 point	9.....	.1245
Pica .....	12 point	10.....	.1383
English .....	14 point	11.....	.1522
<b>Thickness of Leads and Slugs</b>		12.....	.166
12 to Pica..	.01383	13.....	.1798
6 to Pica..	.0277	14.....	.1937
10 to Pica..	.0166	15.....	.2075
8 to Pica..	.0207	16.....	.2214
4 to Pica..	.0415		
2 to Pica..	.083		

**Point System.**—Prior to about 1886, each typefounder was a law unto himself in the matter of type standards. Brevier, for example, made by one foundry would not justify with brevier from another foundry. The pica "em" in use up to that time had been obtained by dividing an inch into six parts, equalling, decimally, .166⅔". When the present point system of the American Type Founders' Association was decided upon in 1886, the fraction was eliminated and a standard "pica" em adapted, measuring .166". This standard of measurement is used by the Mergenthaler Linotype Company, and one-twelfth of the pica, .166, equals one point, .01383. One-quarter of a point is the unit used in the manufacture of our matrices on the point-set system.

**Didot System.**—The Didot point measures .01483 of an inch. The Didot unit is the Cicero, which equals 12 corps, or .178 of an inch. The American (Linotype) unit is the pica em, measuring 12 point, or .166 of an inch. The Didot system of measurement is used in France and in most of the countries of continental Europe, and is commonly known as the French system.

**Medioan System.**—The Medioan point measures .01374 of an inch, and the Medioan em or Cicero .1649 of an inch. This point system is used in Belgium. Medioan height to paper is .934.

## MATRIX BRIDGES FOR MODELS 25, 26 AND TWO-MAGAZINE MODELS 29 AND 30

The standard bridge-cutting of matrices for the above types of machines, unless otherwise specifically ordered, consists of three notches, comprising any between Nos. 2 and 7 inclusive, with the exception of the one carrying notches 5-6-7, which is not desirable. This cutting refers to the upper magazine only. Matrices for the lower main and auxiliary magazines will be unnotched unless otherwise ordered. Matrices for the upper auxiliary magazine will be cut with notches 2 to 7, inclusive, in order to drop on any bridge in use. A matrix with a combination which does not correspond with the bridge projections in use (also on unnotched matrix) will ride across the bridge, to the upper distributor box and into the lower magazine. The possible bridge combinations are listed below:

POINT SIZE OF MATRIX	BRIDGE NO.	BRIDGE NOTCHES	POINT SIZE OF MATRIX	BRIDGE NO.	BRIDGE NOTCHES
5½, 9, 18, 36, 54	351	2-3-5	6, 6¾, 7, 10½,	365	4-5-6
	358	2-5-7	11½, 12, 14, 21,	366	2-5-6
	361	3-5-7	24, 28, 42, 48	368	2-4-6
	363	2-4-5			
	364	3-5-6	4, 6½, 7½, 8, 10, 13,	354	2-3-7
	365	4-5-6	16, 20, 27, 30, 32, 60	355	2-4-7
	366	2-5-6		356	3-4-7
	369	4-5-7		357	3-6-7
6, 6¾, 7, 10½, 11½, 12, 14, 21, 24, 28, 42, 48	370	3-4-5		358	2-5-7
				359	2-6-7
	352	2-3-6		360	4-6-7
	353	3-4-6		361	3-5-7
	357	3-6-7		369	4-5-7
	359	2-6-7			
	360	4-6-7	5, 11, 22, 34	362	*2-3-4
	364	3-5-6			

\*In addition to bridge No. 362, any of the bridges specified for the various point sizes can be used, except those having a No. 7 notch.

Note:—Every combination selected must include bridge notch corresponding to respective font slot of matrices, as indicated below:

FONT SLOT	CORRESPONDING BRIDGE NOTCH	FONT SLOT	CORRESPONDING BRIDGE NOTCH
5½, 9, 18, 36, 54 Point	5	4, 6½, 7½, 8, 10, 13, 16,	7
6, 6¾, 7, 10½, 11½, 12, 14,	6	20, 27, 30, 32, 60 Point	8
21, 24, 28, 42, 48 Point		5, 11, 22, 34 Point	

## MATRIX BRIDGE AND NOTCHES FOR FOUR-MAGAZINE MODELS 29 AND 30

The separation of matrices in the four-magazine mixer Models 29 and 30 is controlled by a single bridge projection which is positioned by an indicator dial. Since only two adjacent magazines can be in operating position at one time, it is merely necessary to position the single bridge projection to correspond to a notch in the matrices in the upper position, which notch does not appear in the matrices in the lower position. The matrices from the upper magazine will then drop on the bridge and pass to the upper magazine while the matrices from the lower magazine will ride across the bridge and pass to the lower magazine.

The location and size of the bridge notches for matrices to run in these models, is the same as for those used on Models 25 and 26. Only one notch is used for separation. The standard notching, unless otherwise specifically ordered, consists of three notches, comprising any between 2 and 7 inclusive.

## (12) USEFUL MATRIX INFORMATION

The font slot of Single Distributor matrices can also be used to separate matrices in these machines, by making use of a different portion of the indicator dial.

To use Model 9 matrices in these machines it is necessary to replace the indicator dial by one designed for use with Model 9 matrices.

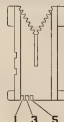
In order to identify the bridge notches and font slots cut in the bottom of matrices, full size reproductions of matrices are given below. These reproductions can be used as templates to determine the number of the notches or slots as an aid in positioning the single bridge projection.



**BRIDGE NOTCHES**  
Models 25, 26, 29 and 30



**BRIDGE NOTCHES**  
Model 9



**FONT SLOT**  
Used on single distributor  
machine matrices



## MATRIX BRIDGE AND NOTCHES (13)

The font slot numbers for various point sizes of single distributor matrices are as follows:

FONT SLOT NO.	POINT SIZES
1.....	5, 11, 22, 34
2.....	6½, 10, 13, 20, 26, 30, 60
3.....	4, 7½, 7¾, 8, 16, 27, 32
4.....	4¾, 6¾, 7, 11½, 14, 21, 28, 42
5.....	6, 10½, 12, 24, 48
6.....	5½, 9, 18, 36, 54

## MATRIX BRIDGES FOR MODEL 9

Matrices on the Model 9 are separated in the primary distributor for the various magazines by means of small bridges having different combinations of projections.

All matrices used in the Model 9 must have the beveled notch, in addition to the bridge notches for separating fonts for the various magazines. All sorts matrices are supplied without bridge notches. These pass to the sorts stockers through the sorts tube.

The various bridge combinations are listed below:

BRIDGE		NOTCHES	BRIDGE		NOTCHES
OLD	NEW		OLD	NEW	
1	...	1-2-8	24	...	1-5-8
2	...	1-2-3	25	102	2-3-5
3	103	2-5-8	26	126	2-4-6
4	...	1-2-5	27	111	2-4-7
5	...	1-2-6	28	109	3-4-8
6	...	1-3-6	29	124	2-4-5
7	...	1-4-6	30	112	3-4-7
8	108	2-3-6	31	118	2-4-8
9	...	1-3-4	32	107	3-4-6
11	...	1-2-7	33	...	1-7-8
12	...	1-3-7	34	101	2-7-8
13	...	1-4-7	35	115	3-7-8
14	114	2-3-7	36	116	4-7-8
15	...	1-3-8	37	...	1-6-7
16	...	1-4-8	39	105	2-6-7
17	117	2-3-8	40	106	3-6-7
18	...	1-2-4	41	113	4-6-7
19	119	3-4-5	42	127	6-7-8
20	120	3-5-8	..	104	2-5-6
21	121	4-5-8	..	122	3-5-6
22	...	1-3-5	..	123	4-5-6
23	...	1-4-5	..	125	5-6-7

Note:—Every combination selected must include bridge notch corresponding to respective font slot of matrices, as indicated below:

FONT SLOT	CORRESPONDING BRIDGE NOTCH	FONT SLOT	CORRESPONDING BRIDGE NOTCH
5, 11, 22, 34 Point	8	4, 7½, 8, 16, 27, 32 Point	6
6, 6¾, 7, 10½, 11½, 12,		6½, 10, 13, 20, 30, 60 Point	7
14, 21, 24, 28, 42, 48 Point	5	5½, 9, 18, 36, 54 Point	Font Slot cut out by bevel

## MATRIX TOOTH COMBINATIONS

### THEIR FUNCTION IN MATRIX DISTRIBUTION

The dictionary gives as one of the definitions of the word "matrix," "a mold in which printers' letters are cast." Immediately the matrix assumes a position of paramount importance to the printer, for he realizes, above all others, that the ultimate value of the printing process lies in the perfection of the type mold, or matrix. The printer, whatever his field of activity, restricted or general, has found a new joy in the beauty of the old designs and a new interest in the sparkle of the "moderns." All that is finest in typography has been made available to him in the form of the Linotype matrix, and with a distinct saving of his time and money. This saving has, in no small measure, been due to the elimination of the time-wasting methods of hand distribution.



Linotype matrix distribution is, in many ways, the most ingenious part of the whole machine. It has been achieved through the use of matrix tooth combinations, each character running in the magazine having its own particular combination. The term "tooth combination" refers to the teeth on the insides of the triangular opening at the top of the matrix. There are seven of these teeth on each side, and for convenience in referring to them, they are numbered from 1 to 7, as illustrated. The teeth on both sides are numbered alike, and, in cutting combinations, both of like number would be cut out or left in, as the case might be.

In conjunction with the tooth combinations there is a distributor bar, along which the matrices are carried by revolving screw action. When the combination of a given matrix arrives at and meshes with its complementary distributor bar segment, the matrix is released from the bar and falls by gravity into its respective magazine channel. That is the whole secret of Linotype distribution.

A matrix with all its teeth is called a "pi" matrix. It does not drop in any of the magazine channels, but is carried across the full length of the bar, and drops into a tube, through which it falls, by gravity, to the sort stacker.

The primary function of the matrix teeth is, then, to direct the return of the matrix to the magazine channel assigned to it. A secondary function of the teeth is to provide the means for elevating the matrix to the distributing mechanism and guiding it on to the distributor bar.

In order to cause the matrices to drop into their respective channels, certain of the combination teeth must be removed. This is called "cutting the combination." By cutting away some of the teeth and leaving others in the matrix, it is possible to secure 126 different tooth combinations for controlling the distribution of a like number of different matrix characters to the channels of the main and auxiliary magazines. The standard Linotype magazine contains 91 channels, including an extra channel for lower case "e," and the wide auxiliary magazine 34 channels, to each of which is assigned a different combination of matrix teeth and a corresponding combination on the distributor bar.

In the charts the combinations are given for the channels of the various magazines. The figures given indicate the teeth that are left in the matrix, the others being cut out. The charts also give the number of each channel, from left to right, the lug channel size, and the character which usually runs in each channel.



## TO SAFEGUARD MATRIX TEETH

To enable the matrix to travel from one position or transfer point to another with a maximum of smoothness and with a minimum of friction and resultant wear, the teeth must be perfectly proportioned with relation to the functions they are designed to perform. The teeth of the matrix, the teeth of the second elevator and distributor box bars, and the segments of the distributor bar are necessarily interdependent and inseparable in maintaining a perfectly coordinated distributing mechanism.

The matrix combination is sufficient under ordinary conditions to last for years. It is possible, however, to ruin a set of matrices in a very short time by burring or wearing out the combinations. The cause of the combinations becoming injured is invariably due to bad alignment at one or possibly all of the various transfers.

There are three of these transfers; that is to say, the matrices are transferred at three distinct points where the teeth are involved.

The first transfer is from the first elevator jaw to the second elevator bar at the intermediate channel. A matrix, when in position in the first elevator jaw at this transfer point, should line up with the bar so that you will have a perfect transfer on to the bar, without binding. There is a set screw at the bottom of the first elevator slide, on the right hand side, for raising or lowering the slide. The alignment of the first elevator jaw rolls and the intermediate channel rolls should be perfect. This will take care of the vertical alignment. Then, to take care of lateral alignment at the point where the matrix is supported by the first elevator jaw rolls and is just sliding on to the second elevator bar, there is an intermediate channel front plate extension which, by means of screw bushings, makes it possible to move the second elevator bar either toward the front or the rear, as may be desirable to secure a true aligning condition of matrix teeth and bar. This is one of the most important adjustments from the standpoint of the matrix teeth. The second elevator bar should, of course, be perfectly smooth and free from burrs, as should be the other two bars along which the matrix must travel.

The second transfer is from the second elevator bar to the distributor box bar. The second elevator, when in its normal position, should be so adjusted that the second elevator bar will line up with the distributor box bar. This is a doweled factory setting and ordinarily should give no concern.

The third transfer is from the distributor box rails to the distributor bar. These rails should be perfectly square with one another. Place a matrix on the distributor box rails and raise up the outside distributor screw; turn the distributor screws slowly by hand and see that the matrix when supported on the distributor box rails will transfer freely on to the distributor bar. This adjustment is likewise factory-set. It does not shift under ordinary working conditions.

Perfect alignment should be maintained at all the above mentioned points. It is to the advantage of the Linotype user, in the interest of the long life of his matrices, to occasionally check these adjustments and to make any slight corrections that may be found necessary.

## TOOTH COMBINATION CHART

### 90-CHANNEL MAGAZINE

CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
0	.050	e 1st	2	46	.055	En Leader	5-6
1	.050	e	1-2	47	.040	Apostroph	1-5-6
2	.050	t	3	48	.055	Asterisk	2-5-6
3	.060	a	1-3	49	.055	1	1-2-5-6
4	.050	o	2-3	50	.055	2	3-5-6
5	.040	i	1-2-3	51	.055	3	1-3-5-6
6	.060	n	4	52	.055	4	2-3-5-6
7	.050	a	1-4	53	.055	5	1-2-3-5-6
8	.060	h	2-4	54	.055	6	4-5-6
9	.050	r	1-2-4	55	.055	7	1-4-5-6
10	.060	d	3-4	56	.055	8	2-4-5-6
11	.040	u	1-3-4	57	.055	9	1-2-4-5-6
12	.070	u	2-3-4	58	.055	0	3-4-5-6
13	.060	c	1-2-3-4	59	.055	\$	1-3-4-5-6
14	.090	m	5	60	.100	Em Leader	2-3-4-5-6
15	.050	f	1-5	61	.090	E	1-2-3-4-5-6
16	.090	w	2-5	62	.080	T	7
17	.060	p	1-2-5	63	.090	A	1-7
18	.060	p	3-5	64	.080	O	2-7
19	.060	v	1-3-5	65	.060	I	1-2-7
20	.060	b	2-3-5	66	.090	N	3-7
21	.060	g	1-2-3-5	67	.070	S	1-3-7
22	.070	k	4-5	68	.100	H	2-3-7
23	.060	q	1-4-5	69	.090	R	1-2-3-7
24	.040	l	2-4-5	70	.090	D	4-7
25	.070	x	1-2-4-5	71	.080	L	1-4-7
26	.050	z	3-4-5	72	.090	U	2-4-7
27	.060	fi	1-3-4-5	73	.070	C	1-2-4-7
28	.060	fl	2-3-4-5	74	.100	M	3-4-7
29	.070	ff	1-2-3-4-5	75	.080	F	1-3-4-7
30	.090	ffi	6	76	.110	W	2-3-4-7
31	.090	ffl	1-6	77	.090	V	1-2-3-4-7
32	.090	Em Space	2-6	78	.080	P	5-7
33	.040	Comma	1-2-6	79	.090	V	1-5-7
34	.040	Period	3-6	80	.080	B	2-5-7
35	.050	Colon	1-3-6	81	.080	G	1-2-5-7
36	.050	Semicolon	2-3-6	82	.090	K	3-5-7
37	.060	Interrogation	1-2-3-6	83	.080	Q	1-3-5-7
38	.055	Figure Space	4-6	84	.060	J	2-3-5-7
39	.040	(	1-4-6	85	.090	X	1-2-3-5-7
40	.040	Vertical Rule	2-4-6	86	.070	Z	4-5-7
41	.040	Front Quote	1-2-4-6	87	.090	æ or @	1-4-5-7
42	.050	Exclamation	3-4-6	88	.090	æ or 1b	2-4-5-7
43	.040	Hyphen	1-3-4-6	89	.060	Gr	1-2-4-5-7
44	.040	Thin Space	2-3-4-6	90	.090	Em Dash	3-4-5-7
45	.040	)	1-2-3-4-6				

## TOOTH COMBINATION CHART

### 72-CHANNEL AND WIDE 72-CHANNEL MAGAZINE

CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
0	.050	e 1st	2	10	.050	d	3-4
1	.050	e	1-2	11	.040	l	1-3-4
2	.050	t	3	12	.070	u	2-3-4
3	.060	o	1-3	13	.060	c	1-2-3-4
4	.050	a	2-3	14	.090	m	5
5	.040	i	1-2-3	15	.050	f	1-5
6	.060	n	4	16	.090	w	2-5
7	.050	s	1-4	17	.060	y	1-2-5
8	.060	h	2-4	18	.060	p	3-5
9	.050	r	1-2-4	19	.060	v	1-3-5

## TOOTH COMBINATION CHART

72-CHANNEL AND WIDE 72-CHANNEL MAGAZINE—Continued

CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
20	.060	b	2-3-5	47	.060	I	1-2-7
21	.060	g	1-2-3-5	48	.090	N	3-7
22	.070	k	4-5	49	.070	S	1-3-7
23	.060	q	1-4-5	50	.100	H	2-3-7
24	.040	j	2-4-5	51	.090	R	1-2-3-7
25	.070	x	1-2-4-5	52	.090	D	4-7
26	.050	z	3-4-5	53	.080	L	1-4-7
27	.040	Comma	1-2-6	54	.090	U	2-4-7
28	.040	Period	3-6	55	.070	C	1-2-4-7
29	.050	Semicolon	2-3-6	56	.100	M	3-4-7
30	.090	Em Space	1-3-4-5	57	.080	F	1-3-4-7
31	.055	1	1-2-5-6	58	.110	W	2-3-4-7
32	.055	2	3-5-6	59	.090	Y	1-2-3-4-7
33	.055	3	1-3-5-6	60	.080	P	5-7
34	.055	4	2-3-5-6	61	.090	V	1-5-7
35	.055	5	1-2-3-5-6	62	.080	B	2-5-7
36	.055	Figure Space	4-6	63	.080	G	1-2-5-7
37	.055	6	4-5-6	64	.090	K	3-5-7
38	.055	7	1-4-5-6	65	.080	Q	1-3-5-7
39	.055	8	2-4-5-6	66	.060	J	2-3-5-7
40	.055	9	1-2-4-5-6	67	.090	X	1-2-3-5-7
41	.055	0	3-4-5-6	68	.070	Z	4-5-7
42	.040	Thin Space	2-3-4-6	69	.040	Hyphen	1-4-5-7
43	.090	E	1-2-3-4-5-6	70	.040	Thin Space	2-4-5-7
44	.060	T		71	.040	Apostrophe	1-2-4-5-7
45	.090	A	1-7	72	.055	S	3-4-5-7
46	.080	O	2-7				

## TOOTH COMBINATION CHART

55-CHANNEL ARRANGEMENT OF 72-CHANNEL MAGAZINE

CHAN. NO.	CHAN. SIZE	72-CHAN. CHAR.	55-CHAN. CHAR.	TEETH IN COMBINATION
0	.050	e 1st	e	2
1	.050	e		1-2
2	.050	t	O	3
3	.060	o		1-3
4	.050	a	e	2-3
5	.040	i	f	1-2-3
6	.060	n	Figure Space	4
7	.050	s		1-4
8	.060	h	A	2-4
9	.050	r		1-2-4
10	.060	d	o	3-4
11	.040	l	Thin Space	1-3-4
12	.070	u	n	2-3-4
13	.060	c	i	1-2-3-4
14	.090	m	h	5
15	.050	f	d	1-5
16	.090	w		2-5
17	.060	y	B	1-2-5
18	.060	p	N	3-5
19	.060	v		1-3-5
20	.060	b	c	2-3-5
21	.050	k	w	1-2-3-5
22	.070	q		4-5
23	.060	a	b	1-4-5
24	.040	j	y	2-4-5
25	.070	x		1-2-4-5
26	.050	z	g	3-4-5
27	.040	Comma	Comma	1-2-6
28	.040	Period		3-6

## (18) USEFUL MATRIX INFORMATION

## TOOTH COMBINATION CHART

## 55-CHANNEL ARRANGEMENT OF 72-CHANNEL MAGAZINE—Continued

CHAN. NO.	CHAN. SIZE	72-CHAN. CHAN.	55-CHAN. CHAN.	TEETH IN COMBINATION
29	.050	Semicolon	x	2-3-6
30	.090	Em Space	Y	1-3-4-5
31	.055	I	S	1-2-5-6
32	.055	2	q	3-5-6
33	.055	3	Period	1-3-5-6
34	.055	4	E	2-3-5-6
35	.055	5		1-2-3-5-6
36	.055	Figure Space	C	4-6
37	.055	6	x	4-5-6
38	.055	7	G	1-4-5-6
39	.055	8		2-4-5-6
40	.055	9	T	1-2-4-5-6
41	.055	0		3-4-5-6
42	.040	Thin Space	t	2-3-4-6
43	.090	E	M	1-2-3-4-5-6
44	.080	T		7
45	.090	A	P	1-7
46	.080	O	k	2-7
47	.060	I	r	1-2-7
48	.090	N	H	3-7
49	.070	S		1-3-7
50	.100	H	Q	2-3-7
51	.090	R	s	1-2-3-7
52	.090	D	K	4-7
53	.080	L	Hyphen	1-4-7
54	.090	U	V	2-4-7
55	.070	C	i	1-2-4-7
56	.100	M	m	3-4-7
57	.080	F	j	1-3-4-7
58	.110	W	D	2-3-4-7
59	.090	Y	v	1-2-3-4-7
60	.080	P	F	5-7
61	.090	V	J	1-5-7
62	.080	B	W	2-5-7
63	.080	G		1-2-5-7
64	.090	K	L	3-5-7
65	.090	Q	u	1-3-5-7
66	.060	J	P	2-3-5-7
67	.090	X		1-2-3-5-7
68	.070	Z	R	4-5-7
69	.040	Hyphen	I	1-4-5-7
70	.040	Thin Space		2-4-5-7
71	.040	Apostrophe	U	1-2-4-5-7
72	.055	\$		3-4-5-7

## TOOTH COMBINATION CHART

## COMMERCIAL FRACTIONS

## 90-Channel Magazine. Diagram No. 2 or 11

When commercial fractions are run in the magazine they usually displace other characters, as follows:

CHAN.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION	CHAN.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION
$\frac{1}{8}$	ffi	.090	6	$\frac{1}{8}$	Z	.070	4-5-7
$\frac{1}{4}$	ffi	.090	1-6	$\frac{3}{8}$	IB	.090	2-4-5-7
$\frac{3}{8}$	Interrogation	.060	1-2-3-6	$\frac{1}{2}$	G	.060	1-2-4-5-7
$\frac{1}{2}$	Asterisk	.055	2-5-6				

## TOOTH COMBINATION CHART

### 28-CHANNEL AUXILIARY MAGAZINE

CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
1	.070	A	1-3-4-5-7	15	.070	K	3-4-6-7
2	.070	O	1-2-3-4-5-7	16	.070	Y	2-3-4-6-7
3	.070	H	6-7	17	.070	E	1-3-4-6-7
4	.070	V	1-6-7	18	.070	S	1-2-3-4-6-7
5	.070	B	2-6-7	19	.070	L	5-6-7
6	.070	P	1-2-6-7	20	.070	Z	1-5-6-7
7	.070	I	3-6-7	21	.070	F	2-5-6-7
8	.070	W	1-3-6-7	22	.070	T	1-2-3-5-6-7
9	.070	Q	2-3-6-7	23	.070	M	3-5-6-7
10	.070	J	1-2-3-6-7	24	.070	Period	2-3-5-6-7
11	.070	J	4-6-7	25	.070	G	1-3-5-6-7
12	.070	X	1-4-6-7	26	.070	U	1-2-3-5-6-7
13	.070	D	2-4-6-7	27	.070	N	4-5-6-7
14	.070	R	1-2-4-6-7	28	.070	Gamma	1-4-5-6-7

### 34-CHANNEL AUXILIARY MAGAZINE

CHAN. NO.	*CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	*CHAN. SIZE	CHAR.	TEETH IN COMBINATION
1	.055	1	2-3-4-5-7	18	.050	S	1-3-4-6-7
2	.055	2	1-3-4-5-7	19	.060	H	1-2-3-4-6-7
3	.050	3	1-2-3-4-5-7	20	.050	R	5-6-7
4	.040	4	6-7	21	.060	D	1-5-6-7
5	.040	5	1-6-7	22	.040	L	2-5-6-7
6	.050	6	2-6-7	23	.070	U	1-2-5-6-7
7	.055	7	1-2-6-7	24	.060	C	3-5-6-7
8	.055	8	3-6-7	25	.090	M	2-3-5-6-7
9	.055	9	1-3-6-7	26	.030	F	1-3-5-6-7
10	.055	0	2-3-6-7	27	.090	W	1-2-3-5-6-7
11	.055	Em Sp.	1-2-3-6-7	28	.060	Y	4-5-6-7
12	.050	E	4-6-7	29	.060	P	1-4-5-6-7
13	.050	T	1-4-6-7	30	.060	V	2-4-5-6-7
14	.060	A	2-4-6-7	31	.060	B	1-2-4-5-6-7
15	.050	O	1-2-4-6-7	32	.060	G	3-4-5-6-7
16	.040	I	3-4-6-7	33	.070	K	2-3-4-5-6-7
17	.060	N	2-3-4-6-7	34	.040	J	1-3-4-5-6-7

\*Also for Wide 34-Channel Auxiliary Magazine with narrow lug channels.

### WIDE 34-CHANNEL AUXILIARY MAGAZINE

CHAN. NO.	CHAN. SIZE	*CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
1	.055	.090	1	2-3-4-5-7	18	.070	S	1-3-4-6-7
2	.055	.090	2	1-3-4-5-7	19	.100	H	1-2-3-4-6-7
3	.050	.090	3	1-2-3-4-5-7	20	.090	R	5-6-7
4	.040	.090	4	6-7	21	.090	D	1-5-6-7
5	.040	.090	5	1-6-7	22	.080	L	2-5-6-7
6	.050	.090	6	2-6-7	23	.090	U	1-2-5-6-7
7	.055	.090	7	1-2-6-7	24	.070	C	3-5-6-7
8	.055	.090	8	3-6-7	25	.100	M	2-3-5-6-7
9	.055	.090	9	1-3-6-7	26	.080	F	1-3-5-6-7
10	.055	.090	0	2-3-6-7	27	.100	W	1-2-3-5-6-7
11	.055	.090	Em Sp.	1-2-3-6-7	28	.090	Y	4-5-6-7
12	.090		E	4-6-7	29	.080	P	1-4-5-6-7
13	.080		T	1-4-6-7	30	.090	V	2-4-5-6-7
14	.090		A	2-4-6-7	31	.080	B	1-2-4-5-6-7
15	.080		O	1-2-4-6-7	32	.080	G	3-4-5-6-7
16	.060		I	3-4-6-7	33	.090	K	2-3-4-5-6-7
17	.090		N	2-3-4-6-7	34	.060	J	1-3-4-5-6-7

\*For Wide 34-Channel Auxiliary Magazine used on Model 28 and on other models where large display faces are to be used exclusively.

# TOOTH COMBINATION CHART

## ADVERTISING FIGURES

90-Channel Magazine  
Diagram No. 32

CHAR.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION
1	fl	.050	2-3-4-5
2	ffi	.090	6
3	ffi	.090	1-6
4	Interrogation	.050	1-2-3-6
5	Vertical Rule	.040	2-4-6
6	Asterisk	.055	2-5-6
7	X	.090	1-2-3-5-7
8	Z	.070	4-5-7
9	@	.090	1-4-5-7
0	tb	.090	2-4-5-7
\$	Exclamation	.050	3-4-6
Period	(	.040	1-4-6
Comma	)	.040	1-2-3-4-6
#	G	.060	1-2-4-5-7

34-Channel Auxiliary Magazine

CHAR.	CHAN.	*CHAN. SIZE	TEETH IN COMBINATION
9	G	.060	3-4-5-6-7
0	K	.070	2-3-4-5-6-7
Period	R	.050	5-6-7
Comma	D	.060	1-5-6-7
\$	L	.040	2-5-6-7
#	U	.070	1-2-5-6-7

\*Also for Wide 34-Channel Auxiliary Magazine with narrow lug channels.

28-Channel Auxiliary Magazine  
Diagram No. 96 (Two Sets of Figures)

CHAR.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION
1	A	.070	1-3-4-5-7
2	B	.070	2-6-7
3	C	.070	2-3-6-7
4	D	.070	2-4-6-7
5	E	.070	1-3-4-6-7
6	F	.070	2-5-6-7
7	G	.070	1-3-5-6-7
8	H	.070	6-7
9	I	.070	3-6-7
0	J	.070	4-6-7
Period	K	.070	3-4-6-7
Comma	L	.070	5-6-7
\$	M	.070	3-5-6-7
#	N	.070	4-5-6-7
1	O	.070	1-2-3-4-5-7
2	P	.070	1-2-6-7
3	Q	.070	1-2-3-6-7
4	R	.070	1-2-4-6-7
5	S	.070	1-2-3-4-6-7
6	T	.070	1-2-5-6-7
7	U	.070	1-2-3-5-6-7
8	V	.070	1-6-7
9	W	.070	1-3-6-7
0	X	.070	1-4-6-7
Period	Y	.070	2-3-4-6-7
Comma	Z	.070	1-5-6-7
\$	Period	.070	2-3-5-6-7
#	Comma	.070	1-4-5-6-7

34-Channel Auxiliary Magazine  
Diagram No. 51A (Two Sets of Figures)

CHAR.	CHAN.	*CHAN. SIZE	TEETH IN COMBINATION
1	1	.055	2-3-4-5-7
2	2	.055	1-3-4-5-7
3	3	.050	1-2-3-4-5-7
4	4	.040	6-7
5	5	.040	1-6-7
6	6	.050	2-6-7
7	7	.055	1-2-6-7
8	8	.055	3-6-7
9	9	.055	1-3-6-7
0	0	.055	2-3-6-7
Period	E	.050	4-6-7
Comma	T	.050	1-4-6-7
\$	A	.060	2-4-6-7
#	O	.050	1-2-4-6-7
1	C	.060	3-5-6-7
2	M	.090	2-3-5-6-7
3	F	.050	1-3-5-6-7
4	W	.090	1-2-3-5-6-7
5	Y	.050	4-5-6-7
6	P	.060	1-4-5-6-7
7	V	.060	2-4-5-6-7
8	B	.050	1-2-4-5-6-7

34-CHANNEL WIDE AUXILIARY MAGAZINE  
Diagram No. 51A (Two Sets of Figures)

CHAR.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION
1	1	.055	.090 2-3-4-5-7
2	2	.055	.090 1-3-4-5-7
3	3	.050	.090 1-2-3-4-5-7
4	4	.040	.090 6-7
5	5	.040	.090 1-6-7
6	6	.050	.090 2-6-7
7	7	.055	.090 1-2-6-7
8	8	.055	.090 3-6-7
9	9	.055	.090 1-3-6-7
0	0	.055	.090 2-3-6-7
Period	E	.090	4-6-7
Comma	T	.080	1-4-6-7
\$	A	.090	2-4-6-7
#	O	.080	1-2-4-6-7
1	C	.070	3-5-6-7
2	M	.100	2-3-5-6-7
3	F	.080	1-3-5-6-7
4	W	.100	1-2-3-5-6-7
5	Y	.090	4-5-6-7
6	P	.080	1-4-5-6-7
7	V	.090	2-4-5-6-7
8	B	.080	1-2-4-5-6-7
9	G	.080	3-4-5-6-7
0	K	.090	2-3-4-5-6-7
Period	R	.090	5-6-7
Comma	D	.090	1-5-6-7
\$	L	.080	2-5-6-7
#	U	.090	1-2-5-6-7

†For Wide 34-Channel Auxiliary Magazine used on Model 28 and on other models where large display faces are to be used exclusively.

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# Face Identification Numbers

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Matrices are marked on the sides for the purpose of easy identification as follows: 6Δ8, 6Δ9, 8Δ12, etc. The triangle is a trade-mark and has nothing whatever to do with the identification of the font and face. The figure on the left of the triangle indicates the point size and the figure on the right indicates the name of the face and not its number. Thus, for instance, 10Δ8 does not mean 10 point No. 8, but 10 point Caslon with Italic and Small Caps; 8Δ12 does not mean 8 point No. 12 but, 8 point Cheltenham with Italic and Small Caps. These reference marks will be found convenient for ordering sorts for fonts already in use. If in doubt when ordering sorts, send a sample, lower-case "n," with order.

## ONE-LETTER

### 5½ POINT

TRIANGLE NO.

NAME OF FACE

- 5½ Δ 1 Borders  
5½ Δ 17 Bold Face No. 1, Depressed

### 6 POINT

- 6 Δ 1 Borders  
6 Δ 17 Hebrew  
6 Δ 43 Greek No. 1 (Part Font)  
6 Δ 45 Bold Face No. 3, Figures  
6 Δ 49 No. 2 Vertical Slug Table Mats  
6 Δ 53 Gothic Condensed No. 2  
6 Δ 57 Bold Face No. 1, Figures  
6 Δ 59 Gothic No. 3, Figures  
6 Δ 97 Gothic Condensed No. 4  
6 Δ 123 Gothic Condensed No. 2 (Vertical Slug) Caps  
6 Δ 125 Gothic No. 16, Figures

### 7 POINT

- 7 Δ 27 Bold Face No. 3, Figures  
7 Δ 31 Bold Face No. 1, Figures  
7 Δ 43 Gothic Condensed No. 1 (Figures)  
7 Δ 51 Borders  
7 Δ 61 Gothic No. 13 (6 point slug) Caps only

### 8 POINT

- 8 Δ 1 Borders  
8 Δ 21 Greek No. 1 (High Alignment)  
8 Δ 39 Gothic Condensed No. 2  
8 Δ 59 Celtic No. 1  
8 Δ 69 Gothic Condensed No. 1  
8 Δ 71 Hebrew  
8 Δ 87 Greek No. 1  
8 Δ 101 Russian Church  
8 Δ 105 Bold Face No. 6, Figures  
8 Δ 133 Bold Face No. 9, Figures

## (22) USEFUL MATRIX INFORMATION

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### TRIANGLE NO.

### NAME OF FACE

- 8△151 Lino Text  
8△157 Gothic No. 41, Figures  
8△159 Gothic No. 16, Figures

### 9 POINT

- 9△23 Borders  
9△29 Hebrew No. 2  
9△31 Modern Hebrew

### 10 POINT

- 10△1 Borders  
10△19 German No. 2  
10△23 Greek No. 1  
10△41 Gothic Condensed No. 2  
10△69 Gothic Condensed No. 1  
10△75 Bold Face No. 3, Figures  
10△91 Caslon Text  
10△101 Condensed Outline  
10△103 Bold Face No. 6, Figures  
10△115 Gothic No. 38  
10△123 Narciss  
10△125 Lino Text  
10△131 Cord Italic  
10△137 Gothic Condensed No. 2 (Vertical Slug) Caps  
10△139 Gothic No. 16  
10△143 Gothic No. 41, Figures

### 11 POINT

- 11△17 Gothic Condensed No. 1  
11△31 Bold Face No. 3, Figures  
11△37 Hebrew No. 2  
11△45 Russian Church  
11△49 Hebrew No. 2 (10 point Alignment) Special for English  
11△51 Hebrew No. 2 (12 point Alignment) Special for English

### 12 POINT

- 12△13 Gothic Condensed No. 1  
12△17 Gothic Condensed No. 2  
12△29 Caslon Text  
12△41 Greek No. 1 (Part Font)  
12△53 Bold Face No. 3, Figures  
12△65 Gothic No. 18  
12△69 Condensed Outline  
12△75 Bold Face No. 6, Figures  
12△79 Hebrew  
12△81 Hebrew Condensed  
12△85 Borders  
12△105 Jacobite  
12△109 Lino Text  
12△121 Nestorian  
12△127 Narciss  
12△129 Gothic No. 38  
12△141 Cord Italic  
12△153 Gothic Condensed No. 2 (Vertical Slug), Caps



## ONE- AND TWO-LETTER (23)

TRIANGLE NO. NAME OF FACE

- 12Δ157 Devonagari
- 12Δ163 Gothic No. 16
- 12Δ167 Gothic No. 41, Figures
- 12Δ169 Gujoroti
- 12Δ175 Parson Greek

### 14 POINT

- 14Δ3 Gothic Condensed No. 2
- 14Δ5 Gothic Condensed No. 1
- 14Δ7 Century Bold, Roman, Advertising Figures
- 14Δ9 Gothic No. 16, Advertising Figures
- 14Δ11 Mid Gothic, Advertising Figures
- 14Δ13 Cheltenham Bold, Advertising Figures
- 14Δ33 Gothic No. 18
- 14Δ39 Cheltenham Bold Condensed, Advertising Figures
- 14Δ43 Cheltenham Bold Extra Condensed
- 14Δ61 Gothic No. 13, Advertising Figures
- 14Δ63 Cheltenham Italic, Advertising Figures
- 14Δ65 Bold Face No. 6, Advertising Figures
- 14Δ67 Arabic
- 14Δ77 Gothic Relief, Cap Font
- 14Δ79 Russian Church
- 14Δ83 Arabic Bold
- 14Δ85 Narciss
- 14Δ87 Gothic No. 38
- 14Δ89 Arabic Old Style
- 14Δ91 Arabic Bold Old Style
- 14Δ95 Lino Text
- 14Δ97 Cord Italic
- 14Δ103 Borders
- 14Δ117 Caslon Bold Condensed
- 14Δ119 Gothic No. 16
- 14Δ121 Gothic No. 41, Figures
- 14Δ129 Memphis Bold, Advertising Figures
- 14Δ131 Cheltenham Bold Condensed, Vertical Slug, Cap Font

## TWO-LETTER

### 4 POINT

- 4Δ2 Century Expanded with Gothic No. 16

### 4¾ POINT

- 4¾Δ2 No. 6 with Gothic 16

### 5 POINT

- 5Δ2 No. 10 with Gothic No. 4
- 5Δ4 No. 1 with Gothic Condensed No. 1, Figures
- 5Δ6 Special Gothic No. 9 D. C., Figures
- 5Δ8 No. 10 with Italic and Small Caps
- 5Δ10 Gothic No. 9 D. C., Figures
- 5Δ14 No. 22 with Special Gothic No. 9, Figures
- 5Δ18 No. 18 with Antique Block No. 1
- 5Δ20 Old Style No. 1 with Cheltenham Bold
- 5Δ24 Ionic No. 5 with Bold Face No. 2

## (24) USEFUL MATRIX INFORMATION

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### TRIANGLE NO.

### NAME OF FACE

- 5 Δ 26 Ionic No. 5 with Italic and Small Caps
- 5 Δ 28 Caslon No. 3 with Italic and Small Caps
- 5 Δ 30 Old Style No. 1 with Italic and Small Caps
- 5 Δ 32 Excelsior with Bold Face No. 2
- 5 Δ 34 Hebrew Light and Bold
- 5 Δ 36 Excelsior with Gothic No. 3
- 5 Δ 38 Caslon Bold with Italic

### 5 1/2 POINT

- 5 1/2 Δ 2 No. 2 with Bold Face No. 2
- 5 1/2 Δ 4 No. 1 with Italic and Small Caps
- 5 1/2 Δ 8 No. 1 with Clarendon No. 1
- 5 1/2 Δ 10 No. 1 with Bold Face No. 1, Figures
- 5 1/2 Δ 12 No. 1 with Bold Face No. 2, Figures
- 5 1/2 Δ 24 No. 11 with Gothic Condensed No. 4
- 5 1/2 Δ 26 No. 3 Figures, duplicate character
- 5 1/2 Δ 28 Gothic No. 17 with Bold Face No. 2, Figures
- 5 1/2 Δ 32 No. 4 with Bold Face No. 2 Condensed
- 5 1/2 Δ 36 No. 2B with Bold Face No. 2B
- 5 1/2 Δ 38 Special Gothic No. 9, Figures, duplicate character
- 5 1/2 Δ 42 Ionic No. 5 with Bold Face No. 2
- 5 1/2 Δ 44 Ionic No. 5 with Italic and Small Caps
- 5 1/2 Δ 48 Excelsior with Bold Face No. 2
- 5 1/2 Δ 50 Excelsior with Italic and Small Caps
- 5 1/2 Δ 52 Teletype Ionic No. 5 with Bold Face No. 2
- 5 1/2 Δ 54 Excelsior with Gothic No. 3
- 5 1/2 Δ 62 Teletype Excelsior with Bold Face No. 2
- 5 1/2 Δ 64 Ionic No. 5 with Gothic No. 16
- 5 1/2 Δ 66 Paragon with Paragon Bold

### 6 POINT

- 6 Δ 2 No. 1 with Italic and Small Caps
- 6 Δ 4 No. 2 with Italic and Small Caps
- 6 Δ 6 No. 2 with Gothic No. 3
- 6 Δ 8 Old Style No. 1 with Italic and Small Caps
- 6 Δ 12 No. 1 with Bold Face No. 2
- 6 Δ 14 Old Style No. 1 with Antique No. 1
- 6 Δ 16 Ronoldson with Italic and Small Caps
- 6 Δ 18 German No. 3 with Bold Face No. 2
- 6 Δ 20 Classic with Italic and Small Caps
- 6 Δ 24 De Vinne with Italic and Small Caps
- 6 Δ 28 De Vinne with Antique No. 3
- 6 Δ 30 Ronoldson with Antique No. 1
- 6 Δ 32 No. 12 with Gothic No. 8
- 6 Δ 36 No. 1 with Gothic No. 2, Figures
- 6 Δ 38 No. 12 Figures with Old Style Small Caps
- 6 Δ 42 Century Expanded with Italic and Small Caps
- 6 Δ 44 De Vinne with Gothic No. 7, Figures
- 6 Δ 46 No. 1 with Bold Face No. 1, Figures
- 6 Δ 48 No. 1 with Clarendon No. 1, Figures
- 6 Δ 50 No. 2 with Antique No. 2
- 6 Δ 56 No. 2 with Gothic No. 6 (Vertical Slug) Table Motrices
- 6 Δ 58 Russian No. B with Italic

TRIANGLE NO.	NAME OF FACE
6Δ62	No. 16 with Italic and Small Caps
6Δ70	No. 2 with Bald Face No. 1
6Δ74	No. 28 with Antique Black No. 1
6Δ76	No. 10 with Gothic No. 4
6Δ82	No. 2 with Gothic Condensed No. 2, Figures
6Δ86	Original Old Style with Italic and Small Caps
6Δ88	No. 21 with Antique No. 6, Figures
6Δ90	Old Style No. 1 with Title No. 1
6Δ92	Ronaldson with Title No. 1
6Δ94	Century Expanded with Century Bold
6Δ96	Scotch with Italic and Small Caps
6Δ98	Antique No. 1 with Italic
6Δ100	No. 1 with Gothic No. 8, Figures
6Δ102	Old Style No. 3 with Italic and Small Caps
6Δ110	No. 16 with Century Bold
6Δ112	Old Style No. 1 with Title No. 2
6Δ114	Ronaldson with Title No. 2
6Δ116	Special Gothic No. 9 Figures, duplicate character
6Δ118	No. 2 with Condensed Title No. 3
6Δ120	No. 11 with Gothic Condensed No. 4
6Δ122	No. 8 with Bald Face No. 2
6Δ124	Old Style No. 1 with Cheltenham Bold
6Δ128	Ronaldson with Cheltenham Bold
6Δ132	No. 17 with Condensed Title No. 5
6Δ150	No. 21 with Italic and Small Caps
6Δ152	Servian No. 8 with Italic
6Δ154	No. 2 D. C. Vertical Slug Table Matrices
6Δ156	Badani Bold with Italic
6Δ158	Badani with Italic and Small Caps
6Δ160	Caslon No. 3 with Italic and Small Caps
6Δ162	Cheltenham Bold with Italic
6Δ164	Gothic No. 25A with 6 point Gothic Condensed No. 2, Caps and Figures
6Δ166	Gothic No. 25B with 8 point Gothic Condensed No. 2, Caps and Figures
6Δ168	Gothic No. 25C with 6 point Gothic No. 26C, Caps and Figures
6Δ170	Gothic No. 25 with 6 point Gothic No. 26, Caps and Figures
6Δ172	Century Expanded with Cheltenham Bold
6Δ174	Greek No. 3
6Δ176	No. 11B with Gothic Condensed No. 4B
6Δ180	Cheltenham Wide with Cheltenham Bold
6Δ184	Borders
6Δ186	No. 2 with Bald Face No. 2
6Δ188	Armenian No. 1 with No. 2
6Δ192	Badani Book with Italic and Small Caps
6Δ194	Old Style No. 7 with Italic and Small Caps
6Δ200	Ronaldson No. 7 with Italic and Small Caps
6Δ202	Caslon No. 2 with Italic and Small Caps
6Δ204	Gothic No. 29 with Gothic No. 30, Caps and Figures
6Δ206	Gothic No. 29C with Gothic No. 30C, Caps and Figures
6Δ208	Gothic No. 29B with Gothic No. 30B, Caps and Figures
6Δ210	Gothic No. 29A with Gothic No. 30A, Caps and Figures
6Δ212	Bald Face No. 9 with Gothic No. 31, Caps and Figures
6Δ214	Bald Face No. 9C with Gothic No. 31C, Caps and Figures
6Δ216	Bald Face No. 9B with Gothic No. 31B, Caps and Figures

## (26) USEFUL MATRIX INFORMATION

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### TRIANGLE NO.

### NAME OF FACE

- 6Δ218 Bold Face No. 9A with Gothic No. 31A, Caps and Figures
- 6Δ220 Elzevir No. 3 with Italic and Small Caps
- 6Δ222 No. 1 with Gothic No. 3, Figures, Hebrew alignment
- 6Δ224 Caslon Old Face with Italic and Small Caps
- 6Δ226 Royal Gothic Figures, duplicate character
- 6Δ228 Franklin Old Style with Italic and Small Caps
- 6Δ232 Cheltenham Bold Condensed with Italic
- 6Δ236 Gothic No. 32 with Gothic No. 33, Caps and Figures
- 6Δ238 Gothic No. 32A with Gothic No. 33A, Caps and Figures
- 6Δ240 Gothic No. 32B with Gothic No. 33B, Caps and Figures
- 6Δ242 Gothic No. 32C with Gothic No. 33C, Caps and Figures
- 6Δ244 Benedictine with Italic and Small Caps
- 6Δ248 Gothic No. 31 with Gothic No. 33, Caps and Figures
- 6Δ250 Benedictine Book with Italic and Small Caps
- 6Δ252 Gothic No. 31A with Gothic No. 33A, Caps and Figures
- 6Δ254 Gothic No. 31B with Gothic No. 33B, Caps and Figures
- 6Δ256 Gothic No. 31 with Gothic No. 32, Caps and Figures
- 6Δ258 Gothic No. 31A with Gothic No. 32A, Caps and Figures
- 6Δ260 Gothic No. 31B with Gothic No. 32B, Caps and Figures
- 6Δ262 Gothic No. 31C with Gothic No. 32C, Caps and Figures
- 6Δ264 Benedictine Book with Benedictine
- 6Δ268 Claister Bold with Italic
- 6Δ270 Gothic No. 31C with Gothic No. 33C, Caps and Figures
- 6Δ274 Garamond with Italic and Small Caps
- 6Δ276 Claister Wide with Claister Bold
- 6Δ280 Claister with Italic and Small Caps
- 6Δ286 Garamond Bold with Italic
- 6Δ288 Ionic No. 5 with Bold Face No. 2
- 6Δ290 Hebrew with Italic
- 6Δ296 Texttype with Bold Face No. 2
- 6Δ298 Metroblack with Metralite
- 6Δ300 Metromedium with Metrothin
- 6Δ302 Ionic No. 5 with Italic and Small Caps
- 6Δ304 Texttype with Italic and Small Caps
- 6Δ306 Granjon with Granjon Bold
- 6Δ310 Metroblack No. 2 with Metralite No. 2
- 6Δ312 Metromedium No. 2 with Metrothin No. 2
- 6Δ314 Excelsior with Bold Face No. 2
- 6Δ320 Excelsior with Italic and Small Caps
- 6Δ322 Memphis Light and Bold
- 6Δ324 Teletype Excelsior with Gothic No. 3
- 6Δ326 Memphis Medium with Italic
- 6Δ364 Memphis Bold with Italic
- 6Δ366 Excelsior with Gothic No. 3
- 6Δ368 Memphis Light with Italic
- 6Δ372 Granjon with Italic and Small Caps
- 6Δ374 Teletype Excelsior with Bold Face No. 2
- 6Δ376 Lining Metromedium with Lining Metrothin, Caps and Figures
- 6Δ378 Lining Metromedium A with Lining Metrothin A, Caps and Figures
- 6Δ380 Lining Metromedium B with Lining Metrothin B, Caps and Figures
- 6Δ382 Lining Memphis Light with Lining Memphis Bold, Caps and Figures
- 6Δ384 Lining Memphis Light A with Lining Memphis Bold A, Caps and Figures
- 6Δ386 Lining Memphis Light B with Lining Memphis Bold B, Caps and Figures

## TRIANGLE NO.

## NAME OF FACE

- 6 Δ 388 Paragon with Paragon Bold  
 6 Δ 390 Paragon with Italic and Small Caps  
 6 Δ 392 Metramedium No. 2 with Italic  
 6 Δ 394 Bookman with Italic and Small Caps  
 6 Δ 396 Garamond Bold No. 3 with Italic  
 6 Δ 398 Garamond No. 3 with Italic and Small Caps  
 6 Δ 410 Caslon Bold with Italic  
 6 Δ 414 Lining Card Gothic Medium with Bold, Caps and Figures  
 6 Δ 416 Memphis Medium with Memphis Bold  
 6 Δ 418 Bell Gothic, Two-Letter  
 6 Δ 420 Optican with Bold Face No. 2  
 6 Δ 422 Teletype No. 2 with Condensed Title No. 3  
 6 Δ 424 Optican with Italic and Small Caps  
 6 Δ 426 Excelsior with Memphis Bold  
 6 Δ 432 Teletype Paragon with Paragon Bold  
 6 Δ 434 Metrablack No. 2 with Italic  
 6 Δ 436 Metralite No. 2 with Italic  
 6 Δ 668 Granjan with Italic and Small Caps

## 6½ POINT

- 6½ Δ 2 Ionic No. 5 with Bold Face No. 2  
 6½ Δ 6 Ionic No. 5 with Italic and Small Caps  
 6½ Δ 8 Teletype Ionic No. 5 with Bold Face No. 2

## 6¾ POINT

- 6¾ Δ 2 Ionic No. 5 with Bold Face No. 2  
 6¾ Δ 4 Ionic No. 5 with Italic and Small Caps

## 7 POINT

- 7 Δ 2 No. 2 with Bold Face No. 1  
 7 Δ 4 No. 1 with Italic and Small Caps  
 7 Δ 6 No. 16 with Italic and Small Caps  
 7 Δ 8 Caslon with Italic and Small Caps  
 7 Δ 10 Ronoldson with Italic and Small Caps  
 7 Δ 14 Old Style No. 1 with Italic and Small Caps  
 7 Δ 22 No. 28 with Antique Black No. 1  
 7 Δ 28 No. 1 with Doric No. 1 (Part Fant)  
 7 Δ 30 No. 2 with Gothic No. 3  
 7 Δ 38 No. 1 with Bold Face No. 1, Figures  
 7 Δ 42 No. 1 with Gothic No. 4  
 7 Δ 46 No. 2 with Italic and Small Caps  
 7 Δ 48 Old Style No. 1 with Antique No. 1  
 7 Δ 50 No. 16 with Century Bold  
 7 Δ 52 Bold Face No. 3 Figures, duplicate character  
 7 Δ 58 No. 2 with Antique Black No. 1, Figures  
 7 Δ 60 Gothic No. 4 Figures, duplicate character  
 7 Δ 62 No. 2 with Condensed Title No. 3  
 7 Δ 66 No. 21 with Italic and Small Caps  
 7 Δ 74 No. 2 with Gothic No. 8, Figures  
 7 Δ 80 Century Expanded with Century Bold  
 7 Δ 84 Borders  
 7 Δ 86 No. 2 with Bold Face No. 2  
 7 Δ 88 Century Expanded with Italic and Small Caps

## (28) USEFUL MATRIX INFORMATION

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TRIANGLE NO.	NAME OF FACE
7△90	No. 1 with Bold Face No. 2
7△92	Bodoni with Italic and Small Caps
7△94	Bodoni Book with Italic and Small Caps
7△96	Old Style No. 7 with Italic and Small Caps
7△98	Franklin Old Style with Italic and Small Caps
7△102	No. 21 with Gothic No. 4
7△104	Benedictine with Italic and Small Caps
7△110	Benedictine Book with Italic and Small Caps
7△118	No. 12 with Gothic No. 11
7△120	Benedictine Book with Benedictine
7△122	Ionic No. 5 with Bold Face No. 2
7△126	Ionic No. 5 with Italic and Small Caps
7△130	Textype with Bold Face No. 2
7△132	Textype with Italic and Small Caps
7△136	No. 2 Excelsior with Bold Face No. 2
7△138	No. 1 Excelsior with Bold Face No. 2
7△140	No. 1 Excelsior with Italic and Small Caps
7△142	No. 2 Excelsior with Italic and Small Caps
7△144	Teletype No. 1 Excelsior with Bold Face No. 2
7△148	Ronaldson No. 7 with Italic and Small Caps
7△150	Teletype Ionic No. 5 with Bold Face No. 2
7△152	No. 21B with Italic and Small Caps
7△154	Caslon No. 3 with Italic and Small Caps
7△156	No. 1 Excelsior with Gothic No. 3
7△158	No. 2 Excelsior and Gothic No. 3
7△160	Teletype No. 1 Excelsior with Gothic No. 3
7△162	Paragon with Paragon Bold
7△164	Paragon with Italic and Small Caps
7△166	Opticon with Bold Face No. 2
7△168	Caslon No. 137 with Italic and Small Caps
7△170	Bookman with Italic and Small Caps
7△172	Garamond No. 3 with Italic and Small Caps
7△174	Garamond Bold No. 3 with Italic
7△176	Bodoni Bold with Italic
7△182	Electra with Italic and Small Caps
7△184	Baskerville with Italic and Small Caps
7△186	Teletype Paragon with Paragon Bold
7△188	Bell Gothic, Two-Letter

### 7½ POINT

7½△2	Ionic No. 5 with Bold Face No. 2
7½△4	Ionic No. 5 with Italic and Small Caps
7½△6	Excelsior with Bold Face No. 2
7½△8	Excelsior with Italic and Small Caps
7½△10	Opticon with Bold Face No. 2
7½△12	Teletype Ionic No. 5 with Bold Face No. 2
7½△16	Opticon with Italic
7½△18	Paragon with Paragon Bold
7½△20	Paragon with Italic and Small Caps

### 7¾ POINT

7¾△2	Excelsior with Bold Face No. 2
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## 8 POINT

TRIANGLE NO

NAME OF FACE

- 8Δ2 No. 2 with Italic and Small Caps, high alignment  
 8Δ4 No. 2 with Gothic No. 6 (Vertical Slug), Figures  
 8Δ6 No. 2 with Condensed Title No. 3  
 8Δ8 No. 2 with Bold Face No. 1, high alignment  
 8Δ10 No. 1 with Italic and Small Caps, high alignment  
 8Δ12 Cheltenham with Italic and Small Caps  
 8Δ16 De Vinne with Antique No. 3, high alignment  
 8Δ18 De Vinne with Italic and Small Caps, high alignment  
 8Δ20 German No. 3 with Bold Face No. 2  
 8Δ24 Caslon with Italic and Small Caps  
 8Δ26 Century Expanded with Italic and Small Caps  
 8Δ28 Classic with Italic and Small Caps  
 8Δ30 Old Style No. 1 with Italic and Small Caps  
 8Δ32 Remington Typewriter with Underscore  
 8Δ34 Ronaldson with Italic and Small Caps  
 8Δ36 Ronaldson with Antique No. 1  
 8Δ38 No. 19 with Italic and Small Caps, high alignment  
 8Δ40 No. 19 with Title No. 1, high alignment  
 8Δ42 Scotch with Italic and Small Caps, high alignment  
 8Δ44 Title No. 2 with Title Italic No. 2  
 8Δ48 No. 28 with Italic and Small Caps  
 8Δ50 Old Style No. 1 with Antique No. 1  
 8Δ52 No. 28 with Antique Black No. 1  
 8Δ54 No. 16 with Italic and Small Caps  
 8Δ56 No. 28 with Egyptienne Serree No. 1  
 8Δ58 Russian No. 11 with Antique Black No. 2  
 8Δ60 Cheltenham Bold with Italic  
 8Δ70 No. 2 with Gothic No. 3, high alignment  
 8Δ72 No. 4 Figures with Clarendon No. 1 Figures, high alignment  
 8Δ74 No. 4 Figures with Clarendon No. 1  
 8Δ80 No. 2 with Ionic No. 3 (Vertical Slug), Figures  
 8Δ82 Scotch with Italic and Small Caps  
 8Δ88 No. 2, high alignment, with 10 point Clarendon No. 1  
 8Δ92 No. 28 with Normonde No. 4  
 8Δ94 Russian Condensed No. 2 with Antique Black No. 2  
 8Δ96 Russian Condensed No. 2 with Italic  
 8Δ98 No. 1 with Italic and Small Caps  
 8Δ102 No. 4 Figures with Old Style Small Caps  
 8Δ104 Elzevir with Cheltenham Bold  
 8Δ108 Classic with Century Bold  
 8Δ110 Russian No. 11 with Italic  
 8Δ114 Antique No. 1 with Italic  
 8Δ116 Old Style No. 3 with Italic and Small Caps  
 8Δ118 De Vinne with Italic and Small Caps  
 8Δ120 Russian No. 3 Light and Bold  
 8Δ122 Century Expanded with Century Bold  
 8Δ126 No. 26 with Antique No. 2  
 8Δ128 No. 16 with Century Bold  
 8Δ130 Gothic No. 8 Figures, duplicate character  
 8Δ132 No. 1 with Gothic Condensed No. 2, Figures, high alignment  
 8Δ134 Old Style No. 1 with Title No. 1

### (30) USEFUL MATRIX INFORMATION

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TRIANGLE NO.	NAME OF FACE
8 Δ 136	Ronaldson with Title No. 1
8 Δ 138	Original Old Style with Italic and Small Caps
8 Δ 140	No. 21 with Antique No. 6, Figures
8 Δ 150	Greek No. 3
8 Δ 152	Old Style No. 1 with Antique Italic No. 1
8 Δ 154	Ronaldson with Antique Italic No. 1
8 Δ 156	Cheltenham Wide with Cheltenham Bald
8 Δ 160	Old Style No. 4 with Antique No. 2
8 Δ 162	Scotch with Jensen
8 Δ 164	De Vinne with Antique No. 3
8 Δ 166	Cheltenham Condensed with Cheltenham Bald Condensed
8 Δ 174	No. 19 with Title No. 1
8 Δ 176	Cheltenham Bald Condensed with Italic
8 Δ 186	Servian Condensed No. 2 with Italic
8 Δ 188	Servian No. 11 with Italic
8 Δ 190	Armenian No. 1 with No. 2
8 Δ 192	No. 1 with Title No. 2
8 Δ 194	No. 1 with Bald Face No. 2
8 Δ 196	Old Style No. 1 with Title No. 2
8 Δ 200	Ronaldson with Title No. 2
8 Δ 204	Gothic No. 13 with De Vinne Condensed
8 Δ 206	Gothic No. 16 with Title No. 4
8 Δ 208	Caslon No. 3 with Italic and Small Caps
8 Δ 210	No. 2 with Bald Face No. 1, Figures
8 Δ 212	Old Style No. 7 with Italic and Small Caps
8 Δ 214	No. 21 with Italic and Small Caps
8 Δ 218	Old Style No. 1 with Cheltenham Bald
8 Δ 220	Old Roman with Italic
8 Δ 222	Badani Bald with Italic
8 Δ 224	Ronaldson with Cheltenham Bald
8 Δ 228	Ronaldson No. 7 with Italic and Small Caps
8 Δ 230	De Vinne with 7 point Century Bald
8 Δ 234	De Vinne with Title No. 1
8 Δ 238	Servian Condensed No. 2 with Antique Black No. 2
8 Δ 240	No. 2 with Gothic No. 8, Figures
8 Δ 242	No. 17 with Condensed Title No. 5
8 Δ 250	Servian No. 3 Light and Bald
8 Δ 252	No. 2 with Italic and Small Caps
8 Δ 254	Century Expanded with Cheltenham Bald
8 Δ 256	No. 2 D. C. (Vertical Slug), Figures
8 Δ 258	Servian No. 11 with Antique Black No. 2
8 Δ 260	Gothic No. 16 Figures, duplicate character
8 Δ 262	Badani with Italic and Small Caps
8 Δ 266	Gothic No. 25 with Gothic No. 26
8 Δ 274	Benedictine with Italic and Small Caps
8 Δ 276	De Vinne (Vertical Slug), Figures
8 Δ 280	Badani Book with Italic and Small Caps
8 Δ 282	No. 21 with Antique No. 6, Figures, high alignment
8 Δ 298	Caslon No. 2 with Italic and Small Caps
8 Δ 306	Elzevir No. 3 with Italic and Small Caps
8 Δ 308	Century Bald with Century Bald Italic
8 Δ 310	Borders
8 Δ 312	Caslon Old Face with Italic and Small Caps



## TRIANGLE NO.

## NAME OF FACE

- 8 Δ 314 Antique Black No. 1 Figures, duplicate character  
 8 Δ 316 Franklin Old Style with Italic and Small Caps  
 8 Δ 318 Gothic No. 13 with Cheltenham Bold Condensed  
 8 Δ 320 Gothic No. 16 with Cheltenham Bold  
 8 Δ 360 Benedictine Book with Italic and Small Caps  
 8 Δ 364 Benedictine Bold with Italic  
 8 Δ 366 Benedictine Book with Benedictine  
 8 Δ 370 Claister Bold with Italic  
 8 Δ 372 Garamond with Italic and Small Caps  
 8 Δ 374 Claister Wide with Claister Bold  
 8 Δ 378 Claister with Italic and Small Caps  
 8 Δ 380 Garamond Bold with Italic  
 8 Δ 382 Ionic No. 5 with Bold Face No. 2  
 8 Δ 384 Ionic No. 5 with Italic and Small Caps  
 8 Δ 386 Granjon with Italic and Small Caps  
 8 Δ 394 Texttype with Bold Face No. 2  
 8 Δ 396 Texttype with Italic and Small Caps  
 8 Δ 408 Hebrew with Italic  
 8 Δ 410 Metrablock with Metralite  
 8 Δ 412 Poster Bodoni with Italic  
 8 Δ 414 Metramedium with Metralthin  
 8 Δ 416 Scotch No. 2 with Italic and Small Caps  
 8 Δ 418 Granjon with Granjon Bold  
 8 Δ 420 Baskerville with Italic and Small Caps  
 8 Δ 422 Remington No. 2 with Remington No. 3  
 8 Δ 424 No. 1 Excelsior with Bold Face No. 2  
 8 Δ 426 Metrablock No. 2 with Metralite No. 2  
 8 Δ 428 Metramedium No. 2 with Metralthin No. 2  
 8 Δ 432 No. 1 Excelsior with Italic and Small Caps  
 8 Δ 434 Tariff Typewriter  
 8 Δ 436 Janson with Italic and Small Caps  
 8 Δ 440 No. 2 Excelsior with Bold Face No. 2  
 8 Δ 442 Memphis Light and Bold  
 8 Δ 444 No. 2 Excelsior with Italic and Small Caps  
 8 Δ 446 Estienne with Italic and Small Caps  
 8 Δ 448 Memphis Bold with Italic  
 8 Δ 450 Memphis Light with Italic  
 8 Δ 452 Ionic No. 4 with Antique No. 8  
 8 Δ 454 Ionic No. 4 with Antique No. 8, Self Spacing  
 8 Δ 456 Memphis Medium with Italic  
 8 Δ 462 Paragon with Paragon Bold  
 8 Δ 464 Paragon with Italic and Small Caps  
 8 Δ 466 Caslon No. 137 with Italic and Small Caps  
 8 Δ 468 No. 2 Excelsior with Gothic No. 3  
 8 Δ 470 Bookman with Italic and Small Caps  
 8 Δ 476 Garamond No. 3 with Italic and Small Caps  
 8 Δ 478 Garamond Bold No. 3 with Italic  
 8 Δ 480 Teletype No. 1 Excelsior with Bold Face No. 2  
 8 Δ 482 Opticon with Bold Face No. 2  
 8 Δ 484 Electra with Italic and Small Caps  
 8 Δ 488 Memphis Medium with Memphis Bold  
 8 Δ 490 Gothic No. 44 with Gothic No. 42, Figures  
 8 Δ 492 Gothic No. 45 with Gothic No. 43, Figures

## (32) USEFUL MATRIX INFORMATION

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TRIANGLE NO.

NAME OF FACE

- 8Δ494 Metramedium No. 2 with Italic
- 8Δ496 Optican with Italic and Small Caps
- 8Δ500 Teletype No. 2 with Condensed Title No. 3
- 8Δ502 Excelsior with Memphis Bold
- 8Δ504 Erbar Light Condensed with Erbar Bold Condensed
- 8Δ506 Memphis Extra Bold with Italic
- 8Δ508 Bell Gothic, Two-Letter
- 8Δ510 Greek Metrolite, Two-Letter
- 8Δ512 Metrablack No. 2 with Italic
- 8Δ516 Metralite No. 2 with Italic
- 8Δ518 Teletype Ionic No. 5 with Bald Face No. 2
- 8ΔA18 Estienne with Italic and Small Caps

### 9 POINT

- 9Δ2 Old Style No. 1 with Italic and Small Caps
- 9Δ4 De Vinne with Italic and Small Caps
- 9Δ6 De Vinne with Antique No. 3
- 9Δ8 Ronaldsan with Italic and Small Caps
- 9Δ10 German No. 3 with Bald Face No. 2
- 9Δ12 No. 16 with Italic and Small Caps
- 9Δ18 Caslon with Italic and Small Caps
- 9Δ36 Greek No. 2
- 9Δ38 Greek Bold Face No. 1
- 9Δ42 De Vinne with 10 point Gothic No. 4, 11 point alignment
- 9Δ44 No. 1 with Italic and Small Caps
- 9Δ46 Cheltenham with Italic and Small Caps
- 9Δ48 Old Style No. 1 with Antique No. 1
- 9Δ50 Greek Elzevir
- 9Δ52 Ronaldsan with Antique No. 1
- 9Δ56 No. 16 with Century Bold
- 9Δ58 Century Expanded with Italic and Small Caps
- 9Δ60 No. 21 with Italic and Small Caps
- 9Δ62 Old Style No. 7 with Italic and Small Caps
- 9Δ64 Ronaldsan No. 7 with Italic and Small Caps
- 9Δ72 Century Expanded with Century Bold
- 9Δ74 Bald Face No. 1 Figures, duplicate character
- 9Δ78 Elzevir No. 3 with Italic and Small Caps
- 9Δ82 Caslon Old Face with Italic and Small Caps
- 9Δ84 Franklin Old Style with Italic and Small Caps
- 9Δ90 Benedictine with Italic and Small Caps
- 9Δ94 Benedictine Book with Italic and Small Caps
- 9Δ100 Benedictine Book with Benedictine
- 9Δ102 Garamond with Italic and Small Caps
- 9Δ104 Bodoni Book with Italic and Small Caps
- 9Δ110 Hebrew No. 2 with Italic No. 3
- 9Δ112 Ionic No. 5 with Bald Face No. 2
- 9Δ116 Ionic No. 5 with Italic and Small Caps
- 9Δ118 Texttype with Bald Face No. 2
- 9Δ120 Hebrew with Hebrew Italic No. 3
- 9Δ122 Texttype with Italic and Small Caps
- 9Δ126 Scotch No. 2 with Italic and Small Caps
- 9Δ128 Baskerville with Italic and Small Caps
- 9Δ130 Caslon No. 3 with Italic and Small Caps

## TRIANGLE NO.

## NAME OF FACE

- 9Δ132 Antique No. 1 with Italic  
 9Δ134 Excelsior with Italic and Small Caps  
 9Δ136 Excelsior with Bold Face No. 2  
 9Δ138 Bards  
 9Δ140 Memphis Light with Bold  
 9Δ142 Granjan with Italic and Small Caps  
 9Δ144 Caslan No. 137 with Italic and Small Caps  
 9Δ146 Memphis Medium with Italic  
 9Δ148 Memphis Bold and Italic  
 9Δ150 Bookman with Italic and Small Caps  
 9Δ152 Garamond No. 3 with Italic and Small Caps  
 9Δ154 Garamond Bold No. 3 with Italic  
 9Δ156 Paragon with Italic and Small Caps  
 9Δ158 Paragon with Paragon Bold  
 9Δ160 Electro with Italic and Small Caps  
 9Δ162 Optican with Bold Face No. 2  
 9Δ164 Teletype Ionic No. 5 with Bold Face No. 2  
 9Δ671 Granjan with Italic and Small Caps

## 10 POINT

- 10Δ4 Original Old Style with Italic and Small Caps  
 10Δ6 Old Style No. 1 with Italic and Small Caps  
 10Δ8 Caslan with Italic and Small Caps  
 10Δ10 Na. 1 with Italic and Small Caps  
 10Δ12 De Vinne with Antique No. 3  
 10Δ16 Century Expanded with Italic and Small Caps  
 10Δ18 Cheltenham with Italic and Small Caps  
 10Δ22 Classic with Italic and Small Caps  
 10Δ24 De Vinne with Italic and Small Caps  
 10Δ32 Ronaldson with Italic and Small Caps  
 10Δ34 Ronaldson with Antique No. 1  
 10Δ36 Scotch with Italic and Small Caps  
 10Δ38 German No. 3 with Bold Face No. 2  
 10Δ44 Old Style No. 1 with Antique No. 1  
 10Δ46 Russian Old Style with Antique No. 1  
 10Δ48 Na. 16 with Italic and Small Caps  
 10Δ52 Serbian Old Style with Antique No. 1  
 10Δ54 Na. 28 with Italic and Small Caps  
 10Δ56 Na. 13 Figures with 10 point Clarendon No. 1 Figures  
 10Δ58 Old Style No. 1 Figures with Clarendon No. 1 Figures  
 10Δ64 De Vinne with Antique No. 3 (Vertical Slug), Figures  
 10Δ66 Russian Condensed No. 2 with Italic  
 10Δ70 Antique No. 3 with 12 point Gothic Condensed No. 1  
 10Δ76 Greek No. 2  
 10Δ78 Greek Bold Face No. 1  
 10Δ80 Russian No. 11 with Antique Black No. 2  
 10Δ82 Cheltenham Bold with Italic  
 10Δ84 Elzevir with Cheltenham Bold  
 10Δ86 Classic with Century Bold  
 10Δ88 Russian No. 11 with Italic  
 10Δ90 Russian Condensed No. 2 with Antique Black No. 2  
 10Δ92 Antique No. 1 with Italic  
 10Δ94 Bold Face No. 3, duplicate character, Figures

### (34) USEFUL MATRIX INFORMATION

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TRIANGLE NO.	NAME OF FACE
10Δ98	Old Style No. 3 with Italic and Small Caps
10Δ100	De Vinne Figures with Old Style Small Caps
10Δ102	Gothic No. 3 with 11 point Gothic Condensed No. 1
10Δ104	Uniline with Italic and Small Caps
10Δ106	Greek Italic No. 1
10Δ108	Russian No. 3 Light and Bold
10Δ110	Small Russian No. 3 Light and Bold
10Δ112	Century Expanded with Century Bold
10Δ114	No. 2 with Condensed Title No. 3
10Δ116	No. 16 with Century Bold
10Δ120	Old Style No. 1 with Title No. 1
10Δ122	Ronaldson with Title No. 1
10Δ124	No. 21 with Antique No. 6, Figures
10Δ126	Greek No. 3
10Δ128	Old Style No. 1 with Antique Italic No. 1
10Δ130	Ronaldson with Antique Italic No. 1
10Δ132	Egyptienne Serree No. 3 with Normande No. 4
10Δ134	Cheltenham Wide with Cheltenham Bold
10Δ136	Gothic No. 3 with 12 point De Vinne Condensed
10Δ138	Scotch with Jenson
10Δ142	Cheltenham Condensed with Cheltenham Bold Condensed
10Δ146	Armenian No. 1 with No. 2
10Δ148	Cheltenham Bold Condensed with Italic
10Δ152	No. 28 with Antique Black No. 1
10Δ154	Gothic No. 13 with De Vinne Condensed
10Δ156	Gothic No. 16 with Title No. 4
10Δ158	Old Style No. 1 with Cheltenham Bold
10Δ162	No. 2 with Gothic No. 3
10Δ170	Old Style No. 1 with Title No. 2
10Δ174	Ronaldson with Title No. 2
10Δ180	Caslon No. 3 with Italic and Small Caps
10Δ184	Old Style No. 7 with Italic and Small Caps
10Δ186	No. 21 with Italic and Small Caps
10Δ192	Old Roman with Italic
10Δ194	Pabst Old Style with Italic
10Δ196	Badoni Bold with Italic
10Δ198	Ronaldson with Cheltenham Bold
10Δ200	Ronaldson No. 7 with Italic and Small Caps
10Δ206	De Vinne with Title No. 1
10Δ208	Century Expanded with Cheltenham Bold
10Δ214	Small Servian No. 3, Light and Bold
10Δ216	Servian No. 3, Light and Bold
10Δ218	Badoni with Italic and Small Caps
10Δ224	Gothic No. 16 Figures, duplicate character, Figures
10Δ226	Century Expanded with Century Bold Italic
10Δ228	Gothic No. 25 with Gothic No. 26, Caps and Figures
10Δ238	Servian No. 11 with Antique Black No. 2
10Δ240	Benedictine with Italic and Small Caps
10Δ244	De Vinne D. C. (Vertical Slug)
10Δ248	Servian No. 11 with Italic
10Δ250	Badoni Book with Italic and Small Caps
10Δ260	Caslon No. 2 with Italic and Small Caps
10Δ266	Cheltenham Wide with Cheltenham Bold Italic

TRIANGLE NO.	NAME OF FACE
10 Δ 268	Century Bold with Century Bold Italic
10 Δ 270	Underwood Typewriter with Underscore
10 Δ 272	Remington Typewriter with Underscore
10 Δ 274	Elzevir No. 3 with Italic and Small Caps
10 Δ 278	Servian Condensed No. 2 with Antique Black No. 2
10 Δ 280	Caslon Old Face with Italic and Small Caps
10 Δ 282	Antique Black No. 1 Figures, duplicate character
10 Δ 284	Franklin Old Style with Italic and Small Caps
10 Δ 286	Gothic No. 13 with Cheltenham Bold Condensed
10 Δ 288	Gothic No. 16 with Cheltenham Bold
10 Δ 292	Benedictine Book with Italic and Small Caps
10 Δ 296	Benedictine Bold with Italic
10 Δ 298	Benedictine Book with Benedictine
10 Δ 302	Cloister Bold with Italic
10 Δ 304	Garamond with Italic and Small Caps
10 Δ 306	Cloister Wide with Cloister Bold
10 Δ 310	Borders
10 Δ 312	Cloister with Italic and Small Caps
10 Δ 314	Garamond Bold with Italic
10 Δ 318	Granjon with Italic and Small Caps
10 Δ 320	Pabst Extra Bold with Italic
10 Δ 322	Textype with Bold Face No. 2
10 Δ 324	Textype with Italic and Small Caps
10 Δ 326	Poster Bodoni with Italic
10 Δ 360	Vulcan Bold with Italic
10 Δ 364	Metrolite with Metrolite
10 Δ 370	Metromedium with Metrolite
10 Δ 374	Scotch No. 2 with Italic and Small Caps
10 Δ 376	Granjon with Granjon Bold
10 Δ 378	Baskerville with Italic and Small Caps
10 Δ 380	Excelsior with Bold Face No. 2
10 Δ 382	Metrolite No. 2 with Metrolite No. 2
10 Δ 384	Metromedium No. 2 with Metrolite No. 2
10 Δ 386	Excelsior with Italic and Small Caps
10 Δ 388	Janson with Italic and Small Caps
10 Δ 390	Ionic No. 5 with Italic and Small Caps
10 Δ 392	Ionic No. 5 with Bold Face No. 2
10 Δ 394	Underwood Typewriter No. 4 with Underscore
10 Δ 398	Memphis Light and Bold
10 Δ 408	Estienne with Italic and Small Caps
10 Δ 410	Pabst Extra Bold Condensed with Italic
10 Δ 412	Memphis Bold with Italic
10 Δ 414	Memphis Medium with Italic
10 Δ 416	Erbor Light Condensed with Erbor Bold Condensed
10 Δ 418	Memphis Medium with Italic
10 Δ 420	Bengoli Light with Bold
10 Δ 422	Electro with Italic and Small Caps
10 Δ 424	Caslon No. 137 with Italic and Small Caps
10 Δ 426	Teletype Russian Condensed No. 2 with Italic
10 Δ 428	Bookman with Italic and Small Caps
10 Δ 436	Garamond Bold No. 3 with Italic
10 Δ 440	Garamond No. 3 with Italic and Small Caps
10 Δ 444	Memphis Extra Bold with Italic

## (36) USEFUL MATRIX INFORMATION

### TRIANGLE NO.

### NAME OF FACE

- 10Δ448 Paragon with Italic and Small Caps
- 10Δ450 Paragon with Paragon Bold
- 10Δ452 Teletype Excelsior with Bold Face No. 2
- 10Δ454 Memphis Medium with Memphis Bold
- 10Δ456 Gothic No. 44 with Gothic No. 42, Figures
- 10Δ458 Gothic No. 45 with Gothic No. 43, Figures
- 10Δ462 Metramedium No. 2 with Italic
- 10Δ466 Excelsior with Memphis Bold
- 10Δ468 Optican with Italic and Small Caps
- 10Δ470 Optican with Bold Face No. 2
- 10Δ472 Phonetic Old Style No. 1 with Title No. 1
- 10Δ476 Metrablack No. 2 with Italic
- 10Δ478 Metralite No. 2 with Italic
- 10ΔA11 Estienne with Italic and Small Caps

### 10½ POINT

- 10½Δ2 Old Style No. 7 with Italic and Small Caps
- 10½Δ4 Ronaldson No. 7 with Italic and Small Caps

### 11 POINT

- 11Δ2 No. 1 with Italic and Small Caps
- 11Δ4 Old Style No. 1 with Italic and Small Caps
- 11Δ6 Ronaldson with Italic and Small Caps
- 11Δ10 Scotch with Italic and Small Caps
- 11Δ12 Caslon with Italic and Small Caps
- 11Δ14 De Vinne with Italic and Small Caps
- 11Δ16 De Vinne with Antique No. 3
- 11Δ22 Old Style No. 1 with Antique No. 1
- 11Δ24 German No. 3 with Bold Face No. 2
- 11Δ26 Ronaldson with Antique No. 1
- 11Δ40 Bold Face No. 3 Figures, duplicate character
- 11Δ42 Deric No. 1 with Bold Face Italic No. 4
- 11Δ44 Russian No. 1 with Italic
- 11Δ48 Cheltenham with Italic and Small Caps
- 11Δ54 Greek Elzevir
- 11Δ56 No. 21 with Italic and Small Caps
- 11Δ58 Old Style No. 7 with Italic and Small Caps
- 11Δ60 Ronaldson No. 7 with Italic and Small Caps
- 11Δ62 De Vinne with Italic and Small Caps, Cancelled
- 11Δ66 Russian Condensed No. 2 with Antique Black No. 3
- 11Δ70 Century Expanded with Century Bold
- 11Δ72 No. 1 with Century Bold
- 11Δ74 Elzevir No. 3 with Italic and Small Caps
- 11Δ76 Caslon Old Face with Italic and Small Caps
- 11Δ78 Franklin Old Style with Italic and Small Caps
- 11Δ84 Benedictine with Italic and Small Caps
- 11Δ88 Benedictine Book with Italic and Small Caps
- 11Δ94 Benedictine Book with Benedictine
- 11Δ96 Garamond with Italic and Small Caps
- 11Δ98 Claister with Italic and Small Caps
- 11Δ102 Granjan with Italic and Small Caps
- 11Δ104 Century Expanded with Italic and Small Caps
- 11Δ106 Cheltenham Bold with Italic

## TRIANGLE NO.

## NAME OF FACE

- 11 Δ 108 Hebrew No. 2 with Hebrew Bald Face  
 11 Δ 110 Scotch No. 2 with Italic and Small Caps  
 11 Δ 112 Caslon No. 2 with Italic and Small Caps  
 11 Δ 114 Granjon with Granjon Bald  
 11 Δ 116 Baskerville with Italic and Small Caps  
 11 Δ 118 Janson with Italic and Small Caps  
 11 Δ 120 Excelsior with Italic and Small Caps  
 11 Δ 122 Caslon No. 137 with Italic and Small Caps  
 11 Δ 124 Electra with Italic and Small Caps  
 11 Δ 126 Garamond No. 3 with Italic and Small Caps  
 11 Δ 128 Excelsior with Bald Face No. 2  
 11 Δ 130 Garamond Bald No. 3 with Italic  
 11 Δ 132 Bookman with Italic and Small Caps

## 11 1/2 POINT

- 11 1/2 Δ 2 Scotch with Italic and Small Caps  
 11 1/2 Δ 4 Caslon Old Face with Italic and Small Caps

## 12 POINT

- 12 Δ 2 No. 1 with Italic and Small Caps  
 12 Δ 4 Old Style No. 1 with Italic and Small Caps  
 12 Δ 6 Original Old Style with Italic and Small Caps  
 12 Δ 8 Ronaldson with Italic and Small Caps  
 12 Δ 10 Scotch with Italic and Small Caps  
 12 Δ 12 Caslon with Italic and Small Caps  
 12 Δ 14 De Vinne with Italic and Small Caps  
 12 Δ 16 De Vinne with Antique No. 3  
 12 Δ 18 Cheltenham with Italic and Small Caps  
 12 Δ 20 Classic with Italic and Small Caps  
 12 Δ 22 Century Expanded with Italic and Small Caps  
 12 Δ 26 Old Style No. 1 with Antique No. 1  
 12 Δ 28 Ronaldson with Antique No. 1  
 12 Δ 30 Gothic No. 5 with Gothic Condensed No. 1  
 12 Δ 38 De Vinne with Antique No. 3 (Vertical Slug), Figures  
 12 Δ 40 No. 16 with Italic and Small Caps  
 12 Δ 44 Gothic No. 15 with Bald Face No. 4  
 12 Δ 46 Cheltenham Bald with Italic  
 12 Δ 48 Russian No. 11 with Italic  
 12 Δ 50 Greek No. 2  
 12 Δ 52 Russian No. 11 with Antique Black No. 2  
 12 Δ 54 Russian Condensed No. 2 with Italic  
 12 Δ 56 Elzevir with Cheltenham Bald  
 12 Δ 58 Classic with Century Bald  
 12 Δ 62 Bald Face No. 3, Figures, duplicate character  
 12 Δ 64 Century Expanded with Century Bald  
 12 Δ 66 Russian Condensed No. 2 with Antique Black No. 2  
 12 Δ 68 Antique No. 1 with Italic  
 12 Δ 70 No. 16 with Century Bald  
 12 Δ 74 Caslon No. 2 with Italic and Small Caps  
 12 Δ 76 Greek No. 3  
 12 Δ 78 Old Style No. 1 with Antique Italic No. 1  
 12 Δ 80 Ronaldson with Antique Italic No. 1  
 12 Δ 82 Serbian Condensed No. 2 with Antique Black No. 2

### (38) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
12Δ84	Old Style No. 1 with Title No. 1
12Δ86	Ronaldson with Title No. 1
12Δ88	Cheltenham Wide with Cheltenham Bold
12Δ90	Scotch with Jenson
12Δ94	Cheltenham Condensed with Cheltenham Bold Condensed
12Δ96	Old Style No. 3 with Italic and Small Caps
12Δ98	Cheltenham Bold Condensed with Italic
12Δ102	Gothic No. 13 with De Vinne Condensed
12Δ104	Gothic No. 16 with Title No. 4
12Δ110	Servian Condensed No. 2 with Italic
12Δ116	Old Style No. 1 with Title No. 2
12Δ118	Ronaldson with Title No. 2
12Δ120	Caslon No. 3 with Italic and Small Caps
12Δ126	Old Style No. 1 with Cheltenham Bold
12Δ128	Old Roman with Italic
12Δ130	Pabst Old Style with Italic
12Δ132	Bodoni Bold with Italic
12Δ134	Ronaldson with Cheltenham Bold
12Δ140	Century Expanded with Cheltenham Bold
12Δ150	Russian No. 3 Light and Bold
12Δ152	De Vinne with Title No. 1
12Δ158	Gothic No. 16 D. C., Figures
12Δ160	Bodoni with Italic and Small Caps
12Δ164	German No. 3 with Bold Face No. 2
12Δ166	Century Expanded with Century Bold Italic
12Δ168	Gothic No. 25 with Gothic No. 26, Caps and Figures
12Δ170	Armenian No. 1 with No. 3 Caps and No. 4 Lower Case
12Δ176	Benedictine with Italic and Small Caps
12Δ178	Borders
12Δ180	Bold Face No. 7 Figures, duplicate character
12Δ182	Servian No. 11 with Antique Black No. 2
12Δ184	Armenian No. 1 with No. 2
12Δ186	Bodoni Book with Italic and Small Caps
12Δ190	Old Style No. 7 with Italic and Small Caps
12Δ194	Ronaldson No. 7 with Italic and Small Caps
12Δ196	Cheltenham Wide with Cheltenham Bold Italic
12Δ198	Century Bold with Century Bold Italic
12Δ200	Underwood Typewriter with Underscore
12Δ202	Remington Typewriter with Underscore
12Δ208	Gothic No. 29 with Gothic No. 30, Caps and Figures
12Δ210	Gothic No. 29C with Gothic No. 30C, Caps and Figures
12Δ212	Gothic No. 29B with Gothic No. 30B, Caps and Figures
12Δ214	Gothic No. 29A with Gothic No. 30A, Caps and Figures
12Δ216	Bold Face No. 9 with Gothic No. 31, Caps and Figures
12Δ218	Bold Face No. 9C with Gothic No. 31C, Caps and Figures
12Δ220	Bold Face No. 9B with Gothic No. 31B, Caps and Figures
12Δ222	Bold Face No. 9A with Gothic No. 31A, Caps and Figures
12Δ224	Elzevir No. 3 with Italic and Small Caps
12Δ228	Nestorian
12Δ230	Servian No. 3 Light and Bold
12Δ234	Jacobite
12Δ236	Caslon Old Face with Italic and Small Caps
12Δ238	Gothic No. 15 Figures, duplicate character



TRIANGLE NO.	NAME OF FACE
12.Δ240	Franklin Old Style with Italic and Small Caps
12.Δ242	Gothic No. 13 with Cheltenham Bold Condensed
12.Δ244	Gothic No. 16 with Cheltenham Bold
12.Δ250	Gothic No. 32 with Gothic No. 33, Caps and Figures
12.Δ252	Gothic No. 32A with Gothic No. 33A, Caps and Figures
12.Δ254	Gothic No. 32B with Gothic No. 33B, Caps and Figures
12.Δ256	Gothic No. 32C with Gothic No. 33C, Caps and Figures
12.Δ258	Benedictine Book with Italic and Small Caps
12.Δ260	Benedictine Bold with Italic
12.Δ262	No. 21 with Italic and Small Caps
12.Δ264	Underwood Typewriter No. 2 with Underscore
12.Δ266	Gothic No. 31 with Gothic No. 32, Caps and Figures
12.Δ268	Gothic No. 31A with Gothic No. 32A, Caps and Figures
12.Δ270	Gothic No. 31B with Gothic No. 32B, Caps and Figures
12.Δ272	Gothic No. 31C with Gothic No. 32C, Caps and Figures
12.Δ274	Benedictine Book with Benedictine
12.Δ276	Cloister Bold with Italic
12.Δ278	Garamond with Italic and Small Caps
12.Δ280	Cloister Wide with Cloister Bold
12.Δ284	Cloister with Italic and Small Caps
12.Δ286	Garamond Bold with Italic
12.Δ288	Granjon with Italic and Small Caps
12.Δ292	Pobst Extra Bold with Italic
12.Δ294	Hebrew with Hebrew Light Face
12.Δ296	Hebrew with Hebrew Italic No. 3
12.Δ298	Poster Bodoni with Italic
12.Δ300	Vulcan Bold with Italic
12.Δ302	Metroblack with Metrolite
12.Δ308	Metromedium with Metrothin
12.Δ310	Textype with Bold Face No. 2
12.Δ314	Baskerville with Italic and Small Caps
12.Δ316	Granjon with Granjon Bold
12.Δ318	Janson with Italic and Small Caps
12.Δ320	Ionic No. 5 with Italic and Small Caps
12.Δ322	Servion No. 11 with Italic
12.Δ324	Textype with Italic and Small Caps
12.Δ364	Metroblack No. 2 with Metrolite No. 2
12.Δ366	Metromedium No. 2 with Metrothin No. 2
12.Δ368	Ionic No. 5 with Bold Face No. 2
12.Δ370	Remington Typewriter No. 4 with Underscore
12.Δ374	Scotch No. 2 with Italic and Small Caps
12.Δ376	Memphis Light and Bold
12.Δ378	Excelsior with Bold Face No. 2
12.Δ380	Estienne with Italic and Small Caps
12.Δ382	Pobst Extra Bold Condensed with Italic
12.Δ384	Electro with Italic and Small Caps
12.Δ386	Bold Face No. 9D with Gothic No. 31D, Caps and Figures
12.Δ388	Memphis Bold with Italic
12.Δ390	Memphis Light with Italic
12.Δ392	Erbor Light Condensed with Erbor Bold Condensed
12.Δ394	Teletype Bodoni Bold with Italic
12.Δ396	Gothic No. 31D with Gothic No. 32D, Caps and Figures
12.Δ398	Memphis Medium with Italic

## (40) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
12Δ416	Lining Metromedium with Lining Metrothin, Caps and Figures
12Δ418	Lining Metromedium A with Lining Metrothin A, Caps and Figures
12Δ420	Lining Metromedium B with Lining Metrothin B, Caps and Figures
12Δ422	Lining Metromedium C and Lining Metrothin C, Caps and Figures
12Δ424	Lining Memphis Light A with Lining Memphis Bold A, Caps and Figs.
12Δ426	Lining Memphis Light B with Lining Memphis Bold B, Caps and Figs.
12Δ428	Lining Memphis Light C with Lining Memphis Bold C, Caps and Figs.
12Δ432	Bengali Light with Bold
12Δ434	Lining Memphis Light with Lining Memphis Bold, Caps and Figures
12Δ436	Gothic No. 13, duplicate character, Figures
12Δ440	Caslon No. 137 with Italic and Small Caps
12Δ442	Gujarati Light with Bold
12Δ444	Bookman with Italic and Small Caps
12Δ446	Tamil Light with Bold
12Δ452	Garamond Bold No. 3 with Italic
12Δ454	Garamond No. 3 with Italic and Small Caps
12Δ458	Memphis Extra Bold with Italic
12Δ462	Lining Card Gothic Medium with Bold, Caps and Figures
12Δ464	Metromedium No. 2 with Italic
12Δ466	Memphis Medium with Memphis Bold
12Δ468	Gothic No. 44 with Gothic No. 42, Figures
12Δ470	Gothic No. 45 with Gothic No. 43, Figures
12Δ474	Opticon with Bold Face No. 2
12Δ476	Metrablack No. 2 with Italic
12Δ478	Metralite No. 2 with Italic
12Δ486	Gothic No. 31C with Gothic No. 33C, Caps and Figures
12Δ488	Excelsior with Memphis Bold
12Δ980	Estienne with Italic and Small Caps

### 14 POINT

14Δ2	Original Old Style with Italic and Small Caps
14Δ4	Cheltenham with Italic and Small Caps
14Δ16	Bold Face No. 3 Figures, duplicate character
14Δ20	Century Expanded with Century Bold
14Δ22	De Vinne with Antique No. 3
14Δ24	Old Style No. 1 with Antique No. 1
14Δ26	Classic with Century Bold
14Δ28	Elzevir with Cheltenham Bold
14Δ30	Cheltenham Bold with Italic
14Δ34	Caslon with Italic and Small Caps
14Δ36	No. 16 with Century Bold
14Δ38	Ronaldson with Antique No. 1
14Δ40	Cheltenham Wide with Cheltenham Bold
14Δ42	Cheltenham Condensed with Cheltenham Bold Condensed
14Δ46	Cheltenham Bold Condensed with Italic
14Δ48	Gothic No. 13 with De Vinne Condensed
14Δ50	Gothic No. 16 with Title No. 4
14Δ54	Caslon No. 3 with Italic and Small Caps
14Δ56	Antique No. 1 with Italic
14Δ58	Century Expanded with Italic and Small Caps
14Δ62	Old Style No. 1 with Cheltenham Bold
14Δ66	Pabst Old Style with Italic
14Δ68	Bodoni Bold with Italic

TRIANGLE NO.	NAME OF FACE
14Δ70	Ranaldson with Cheltenham Bald
14Δ72	Old Style Na. 1 with Title Na. 2
14Δ74	Ranaldson with Title Na. 2
14Δ76	Old Style Na. 1 with Italic and Small Caps
14Δ78	Ranaldson with Italic and Small Caps
14Δ84	De Vinne with Italic and Small Caps
14Δ86	Century Expanded with Cheltenham Bald
14Δ92	Gothic Na. 16 Figures, duplicate character
14Δ94	Badani with Italic and Small Caps
14Δ102	Century Expanded with Century Bald Italic
14Δ106	Benedictine with Italic and Small Caps
14Δ110	Cheltenham Bald Figures, duplicate character
14Δ114	Badani Book with Italic and Small Caps
14Δ118	German Na. 4 with Bald Face Na. 4
14Δ120	Old Style Na. 7 with Italic and Small Caps
14Δ122	Ranaldson Na. 7 with Italic and Small Caps
14Δ124	Century Bald with Century Bald Italic
14Δ126	Elzevir Na. 3 with Italic and Small Caps
14Δ132	Caslon Old Face with Italic and Small Caps
14Δ134	Franklin Old Style with Italic and Small Caps
14Δ136	Gothic Na. 13 with Cheltenham Bald Condensed
14Δ138	Gothic Na. 16 with Cheltenham Bald
14Δ140	De Vinne with Title No. 1
14Δ142	Scotch with Italic and Small Caps
14Δ146	Benedictine Book with Italic and Small Caps
14Δ148	Clearface Bald with Italic
14Δ150	Benedictine Bald with Italic
14Δ152	Benedictine Book with Benedictine
14Δ154	Claister Bald with Italic
14Δ156	Garamond with Italic and Small Caps
14Δ158	Claister Wide with Claister Bald
14Δ162	Claister with Italic and Small Caps
14Δ164	Garamond Bald with Italic
14Δ168	Hebrew Na. 3 with Italic
14Δ170	Granjan with Italic and Small Caps
14Δ172	Pabst Extra Bald with Italic
14Δ174	Paster Badani with Italic
14Δ176	Vulcan Bald with Italic
14Δ178	Janson with Italic and Small Caps
14Δ180	Metrolack with Metrolite
14Δ186	Metramedium with Metrolithin
14Δ188	Baskerville with Italic and Small Caps
14Δ192	Granjan with Granjan Bald
14Δ194	Textype with Bald Face Na. 2
14Δ196	Metrolack Na. 2 with Metrolite Na. 2
14Δ198	Metramedium Na. 2 with Metrolithin Na. 2
14Δ200	Memphis Light and Bold
14Δ202	Estienne with Italic and Small Caps
14Δ204	Pabst Extra Bald Condensed with Italic
14Δ206	Memphis Bald with Italic
14Δ208	Memphis Light with Italic
14Δ210	Erbar Light Condensed with Erbar Bald Condensed
14Δ212	Memphis Medium with Italic

## (42) USEFUL MATRIX INFORMATION

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TRIANGLE NO.	NAME OF FACE
14 Δ 214	Excelsior with Bold Face No. 2
14 Δ 216	Electro with Italic and Small Caps
14 Δ 218	Excelsior with Italic and Small Caps
14 Δ 220	Textype with Bold Face No. 2
14 Δ 222	Bold Face No. 2, Duplicate Character, Food Store Logotypes
14 Δ 224	Devanagari Light with Bold
14 Δ 228	Garamond Bold No. 3 with Italic
14 Δ 232	Bookman with Italic and Small Caps
14 Δ 234	Memphis Extra Bold with Italic
14 Δ 236	Garamond No. 3 with Italic and Small Caps
14 Δ 240	Memphis Medium with Memphis Bold
14 Δ 242	Gothic No. 44 with Gothic No. 42, Figures
14 Δ 244	Gothic No. 45 with Gothic No. 43, Figures
14 Δ 246	Metromedium No. 2 with Italic
14 Δ 250	Metroblock No. 2 with Italic
14 Δ 252	Excelsior with Memphis Bold
14 Δ 256	Metrolite No. 2 with Italic
14 Δ 941	Estienne with Italic and Small Caps

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## DISPLAY

16 POINT		90-CHANNEL	90-CHANNEL L. C. IN C/P CHAN.	72-CHANNEL	72-CHANNEL L. C. IN C/P CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN C/P CHAN.	WIDE 34-CHANNEL	34-CHANNEL AUGUST	38-CHANNEL AUGUST
TRIANGLE NO.	NAME OF FACE									
16Δ5	Hebrew	•	—	•	—	•	—	•	•	•
16Δ7	Hebrew Condensed	•	—	•	—	•	—	•	•	•
16Δ9	Gothic Condensed No. 1, Adv. Figs.	•	—	•	—	•	—	•	•	•
16Δ15	Baskerville	•	•	•	•	•	•	•	•	•
16Δ17	Estienne	•	•	•	•	•	•	•	•	•
16Δ21	Badoni	•	•	•	•	•	•	•	•	•
16Δ942	Estienne	•	•	•	•	•	•	•	•	•
18 POINT										
18Δ1	Gothic Condensed No. 2	•	•	•	•	•	•	•	•	•
18Δ3	Mid Gothic, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ4	Erbar Light Condensed with Erbar Bold Condensed	•	•	•	•	•	•	•	•	•
18Δ5	Gothic No. 16, Adv. Figs.	—	—	•	—	•	—	•	•	•
18Δ6	Metromedium No. 2 with Metrolite No. 2	•	•	•	•	•	•	•	•	•
18Δ8	Metrolite No. 2 with Metrolite No. 2	•	•	•	•	•	•	•	•	•
18Δ9	Century Bold, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ10	Bodoni Bold with Italic	•	•	•	•	•	•	•	•	•
18Δ11	Century Bold Italic, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ12	Cloister Bold with Italic	•	•	•	•	•	•	•	•	•
18Δ13	Cheltenham Bold, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ14	Cloister with Italic	•	•	•	•	•	•	•	•	•
18Δ15	Cheltenham Bold Italic, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ16	Memphis Light with Bold	•	•	•	•	•	•	•	•	•
18Δ17	Cheltenham Bold Condensed, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ18	Benedictine with Italic	•	•	•	•	•	•	•	•	•
18Δ19	Cheltenham Bold Condensed Italic, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ20	Memphis Bold with Italic	•	•	•	•	•	•	•	•	•
18Δ22	Garamond Bold with Italic	•	•	•	•	•	•	•	•	•
18Δ24	Cheltenham Bold Condensed with Italic	•	•	•	•	•	•	•	•	•
18Δ26	Poster Bodoni with Italic	—	•	•	•	•	•	•	•	+
18Δ28	Memphis Medium with Italic	•	•	•	•	•	•	•	•	•
18Δ29	Gothic Condensed No. 1, Adv. Figs.	•	—	•	—	•	—	•	•	•
18Δ30	Textype with Italic	•	•	•	•	•	•	•	•	•
18Δ33	Gothic Condensed No. 1	•	•	•	•	•	•	•	•	•
18Δ34	Gothic No. 16 with Cheltenham Bold	•	•	•	•	•	•	•	•	•
18Δ35	Antique Condensed	•	•	•	•	•	•	•	•	•

Explanation of Reference Marks: • Will Run in Magazines Listed.  
 — Will Not Run in Magazines Listed.  
 ◆ Figures Will Run in Advertising Figure Layout.  
 + Lower Case Only Will Run.

## (44) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L.C. IN CAP CHAN	72-CHANNEL	72-CHANNEL L.C. IN CAP CHAN	WIDE 72-CHANNEL	WIDE 72-CHANNEL L.C. IN CAP CHAN	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
18Δ36	Gothic No. 13 with Cheltenham Bold Condensed	•	•	•	•	•	•	•	•	•
18Δ37	Lotin Condensed	•	•	•	•	•	•	•	•	•
18Δ38	Bodoni with Italic	•	•	•	•	•	•	•	•	•
18Δ41	Cheltenham Bold Extra Con- densed	•	•	•	•	•	•	•	•	•
18Δ42	Pobst Extra Bold with Italic	—	•	•	•	•	•	•	•	+
18Δ43	Gothic No. 14	•	•	•	•	•	•	•	•	•
18Δ44	Century Expanded with Italic	•	•	•	•	•	•	•	•	•
18Δ46	Metrolite No. 2 with Italic	•	•	•	•	•	•	•	•	•
18Δ47	De Vinne Condensed, Adv. Figs.	•	—	•	—	•	—	•	•	•
18Δ48	Memphis Bold with Memphis Light	•	•	•	•	•	•	•	•	•
18Δ50	Metrolite No. 2 with Italic	•	•	•	•	•	•	•	•	•
18Δ52	Memphis Extra Bold with Italic	—	•	•	•	•	•	•	•	•
18Δ53	Jenson Condensed	•	•	•	•	•	•	•	•	•
18Δ54	Metromedium No. 2 with Italic	•	•	•	•	•	•	•	•	•
18Δ55	De Vinne Extra Condensed	•	•	•	•	•	•	•	•	•
18Δ56	Erbor Bold Condensed with Erbor Light Condensed	•	•	•	•	•	•	•	•	•
18Δ57	Century Bold Condensed	•	•	•	•	•	•	•	•	•
18Δ58	Garamond Bold No. 3 with Italic	•	•	•	•	•	•	•	•	•
18Δ59	Cheltenham Bold Condensed	•	•	•	•	•	•	•	•	•
18Δ60	Century Bold with Century Expanded	•	•	•	•	•	•	•	•	•
18Δ62	Garamond No. 3 with Italic	•	•	•	•	•	•	•	•	•
18Δ64	Memphis Bold with Memphis Medium	•	•	•	•	•	•	•	•	•
18Δ65	Gothic No. 13	•	•	•	•	•	•	•	•	•
18Δ66	Coslon No. 3 with Italic	—	•	•	•	•	•	•	•	+
18Δ68	Memphis Bold Condensed with Memphis Medium Condensed	•	•	•	•	•	•	•	•	•
18Δ69	Borders	—	—	—	—	—	—	—	—	—
18Δ71	Gothic No. 18	•	•	•	•	•	•	•	•	•
18Δ75	Condensed Outline	•	•	•	•	•	•	•	•	•
18Δ79	Old Style No. 1	•	•	•	•	•	•	•	•	•
18Δ83	Hebrew	•	—	•	—	•	—	•	•	•
18Δ85	Title No. 6, Adv. Figs.	◆	•	•	•	•	•	•	•	•
18Δ87	Antique Italic No. 1	•	•	•	•	•	•	•	•	•
18Δ89	Russian Antique Black No. 12	•	—	—	—	—	—	•	•	•
18Δ91	Russian Antique Black Con- densed No. 2	•	—	—	—	—	—	•	•	•
18Δ93	Pobst Old Style Condensed	•	•	•	•	•	•	•	•	•
18Δ95	Title No. 2	•	•	•	•	•	•	•	•	•
18Δ97	Cheltenham Bold	•	•	•	•	•	•	•	•	•
18Δ99	Cheltenham Condensed	•	•	•	•	•	•	•	•	•
18Δ101	Bodoni	•	•	•	•	•	•	•	•	•
18Δ103	Antique No. 1	•	•	•	•	•	•	•	•	•

Explanation of Reference Marks: • Will Run in Magazines Listed.

— Will Not Run in Magazines Listed.

◆ Figures Will Run in Advertising Figure Layout.

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L.C. IN CAP EVAN	72-CHANNEL	72-CHANNEL L.C. IN CAP CHAL	WIDE 72-CHANNEL	WIDE 72-CHANNEL L.C. IN CAP CHAL	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
18Δ105	German Bold Face No. 3	•	•	•	•	•	•	•	•	•
18Δ109	Bold Face No. 6, Adv. Figs.	◆	—	•	•	•	•	•	•	•
18Δ111	Benedictine	•	•	•	•	•	•	•	•	•
18Δ113	Elzevir No. 2	•	•	•	•	•	•	•	•	•
18Δ115	Caslon No. 4	•	•	•	•	•	•	•	•	•
18Δ119	Bold Face No. 7, Adv. Figs.	◆	—	•	•	•	•	•	•	•
18Δ123	Century Expanded	•	•	•	•	•	•	•	•	•
18Δ125	Badoni Book	•	•	•	•	•	•	•	•	•
18Δ129	Classic Italic	•	•	•	•	•	•	•	•	•
18Δ131	Cheltenham Bold Condensed Italic	•	•	•	•	•	•	•	•	•
18Δ133	Century Bold	•	•	•	•	•	•	•	•	•
18Δ135	Badoni Italic	•	•	•	•	•	•	•	•	•
18Δ139	Gothic No. 29, Caps and Figures	—	—	•	•	•	•	•	•	•
18Δ141	Gothic No. 30, Caps and Figures	—	—	•	•	•	•	•	•	•
18Δ143	Gothic No. 31, Caps and Figures	—	—	•	•	•	•	•	•	•
18Δ145	Gothic No. 29A, Caps and Figures	•	—	•	•	•	•	•	•	•
18Δ147	Gothic No. 30A, Caps and Figures	•	—	•	•	•	•	•	•	•
18Δ149	Gothic No. 31A, Caps and Figures	—	—	•	•	•	•	•	•	•
18Δ151	Bold Face No. 9A, Caps and Figures	—	—	•	•	•	•	•	•	•
18Δ155	Elzevir No. 3	•	•	•	•	•	•	•	•	•
18Δ157	Bold Face No. 9, Caps and Figures	—	—	•	•	•	•	•	•	•
18Δ159	Serbian Antique Black Can- densed No. 2	•	—	•	•	•	•	•	•	•
18Δ163	Caslon Bold Condensed	•	•	•	•	•	•	•	•	•
18Δ165	Badoni Bold	—	—	•	•	•	•	•	•	•
18Δ167	Estrangelo	•	•	•	•	•	•	•	•	•
18Δ169	Caslon Old Face	•	•	•	•	•	•	•	•	•
18Δ171	Caslon Old Face Italic	•	•	•	•	•	•	•	•	•
18Δ173	Century Bold Italic	—	•	•	•	•	•	•	•	•
18Δ175	Cheltenham Bold Italic	—	•	•	•	•	•	•	•	•
18Δ177	Franklin Old Style	•	•	•	•	•	•	•	•	+
18Δ179	Gothic No. 16	•	•	•	•	•	•	•	•	•
18Δ181	Franklin Old Style Italic	—	•	•	•	•	•	•	•	+
18Δ183	De Vinne Outline	•	•	•	•	•	•	•	•	•
18Δ187	Bodoni Bold Italic	•	•	•	•	•	•	•	•	•
18Δ193	Old Style No. 7	•	•	•	•	•	•	•	•	•
18Δ195	Scotch	—	•	•	•	•	•	•	•	+
18Δ197	Scotch Italic	—	•	•	•	•	•	•	•	+
18Δ199	Title No. 1	•	•	•	•	•	•	•	•	•
18Δ203	Bodoni Bold, Adv. Figs.	◆	—	•	•	•	•	•	•	•
18Δ207	Arabic	•	—	•	•	•	•	•	•	•

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◆ Figures Will Run in Advertising Figure Layout.

+ Lower Case Only Will Run.

## (46) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL L.C. IN CAP CHAN.	90-CHANNEL L.C. IN CAP CHAN.	72-CHANNEL L.C. IN CAP CHAN.	72-CHANNEL L.C. IN CAP CHAN.	WIDE 72-CHANNEL L.C. IN CAP CHAN.	WIDE 72-CHANNEL L.C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
18Δ209	Cheltenham Extra Condensed Italic	•	•	•	•	•	•	•	•	•
18Δ211	Bodoni Book Italic	•	•	•	•	•	•	•	•	•
18Δ213	Coslon No. 3	—	•	•	•	•	•	•	•	+
18Δ215	Coslon No. 3 Italic	—	•	•	•	•	•	•	•	+
18Δ221	Benedictine Italic	•	•	•	•	•	•	•	•	•
18Δ225	Benedictine Book	•	•	•	•	•	•	•	•	•
18Δ227	Bodoni Book Extra Condensed	•	•	•	•	•	•	•	•	•
18Δ229	Benedictine Book Italic	•	•	•	•	•	•	•	•	•
18Δ233	Benedictine Bold	—	•	•	•	•	•	•	•	•
18Δ235	Metrolite	•	•	•	•	•	•	•	•	•
18Δ237	Benedictine Bold Italic	—	•	•	•	•	•	•	•	•
18Δ239	Clearface Bold	—	•	•	•	•	•	•	•	•
18Δ241	Clearface Bold Italic	—	•	•	•	•	•	•	•	•
18Δ243	Cloister Bold	•	•	•	•	•	•	•	•	•
18Δ245	Cloister Bold Italic	•	•	•	•	•	•	•	•	•
18Δ247	Gothic Condensed Outline, Caps and Figures	•	—	•	—	•	—	•	•	•
18Δ249	Norciss	—	•	•	•	•	•	•	•	•
18Δ251	Gothic No. 3B	—	•	•	•	•	•	•	•	+
18Δ253	Arohic Old Style	•	—	—	—	—	—	•	•	•
18Δ255	Cheltenham, Adv. Figs.	•	—	—	—	—	—	•	•	•
18Δ257	Metromedium	•	•	•	•	•	•	•	•	•
18Δ259	Metrothin	•	•	•	•	•	•	•	•	•
18Δ261	Arohic Bold Old Style	•	—	—	—	—	—	•	•	•
18Δ263	Cloister	•	•	•	•	•	•	•	•	•
18Δ265	Goromond	•	•	•	•	•	•	•	•	•
18Δ267	Cloister Italic	•	•	•	•	•	•	•	•	•
18Δ269	Goromond Italic	•	•	•	•	•	•	•	•	•
18Δ271	Lino Script	•	•	•	•	•	•	•	•	•
18Δ277	Goromond Bold	•	•	•	•	•	•	•	•	•
18Δ279	Goromond Bold Italic	•	•	•	•	•	•	•	•	•
18Δ283	Bodoni Bold Condensed	•	•	•	•	•	•	•	•	•
18Δ285	Lino Text	•	•	•	•	•	•	•	•	•
18Δ287	Ionic Condensed	•	•	•	•	•	•	•	•	•
18Δ289	Gothic No. 13, Adv. Figs.	•	—	•	—	•	—	•	•	•
18Δ295	Cord Italic	•	•	•	•	•	•	•	•	•
18Δ297	Hebrew No. 3	•	—	•	—	•	—	•	•	•
18Δ299	Hebrew No. 3 Italic	•	—	•	—	•	—	•	•	•
18Δ301	Gronjon	•	•	•	•	•	•	•	•	•
18Δ303	Gronjon Italic	•	•	•	•	•	•	•	•	•
18Δ305	Pabst Extra Bold	—	•	•	•	•	•	•	•	+
18Δ307	Pabst Extra Bold, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ309	Poster Bodoni	—	•	•	•	•	•	•	•	+
18Δ311	Vulcan Bold	—	•	•	•	•	•	•	•	+
18Δ313	Poster Bodoni Italic	—	•	•	•	•	•	•	•	+
18Δ315	Armenian Gothic Condensed No. 2	—	—	—	—	—	—	•	•	—

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL L.C. IN CAP CHAN.	90-CHANNEL L.C. IN CAP CHAN.	72-CHANNEL L.C. IN CAP CHAN.	72-CHANNEL L.C. IN CAP CHAN.	WIDE 72-CHANNEL L.C. IN CAP CHAN.	WIDE 72-CHANNEL L.C. IN CAP CHAN.	WIDE 34-CHANNEL L.C. IN CAP CHAN.	34-CHANNEL L.C. IN CAP CHAN.	28-CHANNEL L.C. IN CAP CHAN.	AUXILIARY
18Δ317	Vulcan Bold Italic	—	•	•	•	•	•	•	•	•	•
18Δ319	Armenion Gothic No. 13	—	•	•	•	•	•	•	•	•	•
18Δ321	Metroblock	—	•	•	•	•	•	•	•	•	•
18Δ323	Cloister Bold, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ325	Metroblock, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ327	Pobst Extra Bold Condensed	—	•	•	•	•	•	•	•	•	•
18Δ329	Metroblock No. 2	—	•	•	•	•	•	•	•	•	•
18Δ331	Metrolite No. 2	—	•	•	•	•	•	•	•	•	•
18Δ333	Metromedium No. 2	—	•	•	•	•	•	•	•	•	•
18Δ335	Metrolite No. 2	—	•	•	•	•	•	•	•	•	•
18Δ337	Poster Bodoni, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ343	Pobst Extra Bold Condensed, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ347	Memphis Light	—	•	•	•	•	•	•	•	•	•
18Δ349	Memphis Bold	—	•	•	•	•	•	•	•	•	•
18Δ351	Erbor Bold Condensed	—	•	•	•	•	•	•	•	•	•
18Δ353	Erbor Light Condensed	—	•	•	•	•	•	•	•	•	•
18Δ355	Estienne	—	•	•	•	•	•	•	•	•	•
18Δ357	Memphis Extra Bold	—	•	•	•	•	•	•	•	•	•
18Δ359	Metromedium, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ361	Teletype Bodoni Bold	—	•	•	•	•	•	•	•	•	•
18Δ363	Cheltenham Italic, Food Store Logotypes	—	—	—	—	—	—	—	—	—	—
18Δ365	Bold Face No. 2, Food Store Logotypes	—	—	—	—	—	—	—	—	—	—
18Δ367	Gothic No. 39, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ369	Gothic No. 40, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ371	Gothic No. 41, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ373	Gothic No. 39, Figures	—	•	•	•	•	•	•	•	•	•
18Δ375	Gothic No. 40, Figures	—	•	•	•	•	•	•	•	•	•
18Δ377	Gothic No. 41, Figures	—	•	•	•	•	•	•	•	•	•
18Δ379	Memphis Medium	—	•	•	•	•	•	•	•	•	•
18Δ381	Memphis Medium Italic	—	•	•	•	•	•	•	•	•	•
18Δ385	Coslon Italic	—	•	•	•	•	•	•	•	•	•
18Δ389	Cheltenham Medium Condensed	—	•	•	•	•	•	•	•	•	•
18Δ391	Erbor Medium Condensed	—	•	•	•	•	•	•	•	•	•
18Δ395	Gothic No. 44, Figures	—	•	•	•	•	•	•	•	•	•
18Δ397	Memphis Bold, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ399	Franklin Gothic	—	•	•	•	•	•	•	•	•	•
18Δ401	Garamond Bold No. 3	—	•	•	•	•	•	•	•	•	•
18Δ403	Memphis Extra Bold, Adv. Figs.	—	•	•	•	•	•	•	•	•	•
18Δ405	Greek Erbor Light Condensed, Caps and Figures	—	—	—	—	—	—	—	—	—	—
18Δ415	Garamond Bold No. 3 Italic	—	•	•	•	•	•	•	•	•	•
18Δ865	Estienne	—	•	•	•	•	•	•	•	•	•

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 — Will Not Run in Magazines Listed.  
 ♦ Figures Will Run in Advertising Figure Layout.  
 + Lower Case Only Will Run.

## (48) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	20 POINT									
		90-CHANNEL L.C. IN CAP CHAN.	72-CHANNEL L.C. IN CAP CHAN.	WIDE 72-CHANNEL L.C. IN CAP CHAN.	WIDE 72-CHANNEL L.C. IN CAP CHAN.	WIDE 34-CHANNEL L.C. IN CAP CHAN.	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
20 Δ 3	Condensed Title No. 1, Caps and Figures	•	—	•	—	•	—	•	•	•	•
20 Δ 5	Antique Extra Condensed, Caps and Figures	•	—	•	—	•	—	•	•	•	•
20 Δ 7	Hebrew Condensed	•	—	•	—	•	—	•	•	•	•
20 Δ 9	Cheltenham	•	—	•	—	•	—	•	•	•	•
20 Δ 11	Russian Antique Condensed	•	—	•	—	•	—	•	•	•	•
20 Δ 17	Cheltenham Italic	—	•	—	•	—	•	—	•	—	•
20 Δ 23	Servian Antique Condensed	•	—	•	—	•	—	•	•	•	•
20 Δ 25	Cheltenham, Adv. Caps and Figures	♦	—	•	—	•	—	•	•	•	•
20 Δ 27	Gothic Condensed No. 3, Caps and Figures	•	—	•	—	•	—	•	•	•	•
21 POINT											
21 Δ 1	Latin Condensed, Caps and Figures	•	—	•	—	•	—	•	•	•	•
21 Δ 3	Caslon Old Face	—	•	•	—	•	•	•	•	•	+
21 Δ 5	Caslon Old Face Italic	—	•	•	—	•	•	•	•	•	+
21 Δ 7	Narciss	—	•	•	—	•	•	•	•	•	+
21 Δ 13	Badani	—	•	•	—	•	•	•	•	•	•
21 Δ 15	Badani Bold	—	•	•	—	•	•	•	•	•	•
21 Δ 17	Badani Bold Italic	—	•	•	—	•	•	•	•	•	•
21 Δ 19	Granjan	•	•	•	•	•	•	•	•	•	•
21 Δ 21	Vulcan Bold	—	•	•	—	•	•	•	•	+	+
21 Δ 684	Granjan Italic	•	•	•	•	•	•	•	•	•	•
22 POINT											
22 Δ 1	Arabic	•	—	—	—	—	•	•	•	•	•
24 POINT											
24 Δ 3	Century Bold Italic, Adv. Figs.	—	—	•	—	•	—	•	•	•	•
24 Δ 5	Cheltenham Bold, Adv. Figs.	—	—	•	—	•	—	•	•	•	•
24 Δ 6	Metramedium No. 2	—	•	•	•	•	•	•	•	•	+
	with Metralith No. 2	—	•	•	•	•	•	•	•	•	+
24 Δ 7	Cheltenham Bold Italic, Adv. Figs.	—	—	•	—	•	—	•	•	•	•
24 Δ 8	Metrolite No. 2 with Metralith	—	—	•	•	•	•	•	•	•	+
24 Δ 10	Badani Bold with Italic	—	•	•	•	•	•	•	•	•	+
24 Δ 15	Century Bold, Adv. Figs.	♦	—	•	—	•	—	•	•	•	•
24 Δ 19	Gothic Condensed No. 1, Adv. Figs.	•	—	•	—	•	—	•	•	•	•
24 Δ 21	Gothic Condensed No. 2	•	•	•	•	•	•	•	•	•	•
24 Δ 22	Garamond Bold with Italic	—	—	•	•	•	•	•	•	•	+
24 Δ 23	Captian, Caps and Figures	•	•	•	—	•	—	•	•	•	•
24 Δ 25	Latin Condensed, Caps and Figures	•	—	•	—	•	—	•	•	•	•
24 Δ 26	Poster Badani with Italic	—	—	•	•	•	•	•	•	+	—
24 Δ 27	De Vinne Extra Condensed	•	•	•	•	•	•	•	•	•	•

Explanation of Reference Marks: • Will Run in Magazines Listed.  
 — Will Not Run in Magazines Listed.  
 ♦ Figures Will Run in Advertising Figure Layout.  
 + Lower Case Only Will Run.

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L.C. IN CAP CHAR.	72-CHANNEL	72-CHANNEL L.C. IN CAP CHAR.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L.C. IN CAP CHAR.	WIDE 34-CHANNEL	WIDE 34-CHANNEL L.C. IN CAP CHAR.	34-CHANNEL ADJUSTABLE	28-CHANNEL ADJUSTABLE
24 Δ 29	Cheltenham Bold Extra Condensed	•	•	•	•	•	•	•	•	•	•
24 Δ 31	Jenson, Adv. Figs.	•	—	•	—	•	—	•	•	•	•
24 Δ 33	De Vinne Condensed, Adv. Figs.	•	—	•	—	•	—	•	•	•	•
24 Δ 34	Gothic No. 16 with Cheltenham Bold	—	•	•	•	•	•	•	•	•	+
24 Δ 35	Lining Caslon, Adv. Figs.	—	—	•	•	•	•	•	•	•	•
24 Δ 36	Gothic No. 13 with Cheltenham Bold Condensed	•	•	•	•	•	•	•	•	•	•
24 Δ 37	Cheltenham Bold Condensed, Adv. Figs.	•	•	•	•	•	•	•	•	•	•
24 Δ 39	Mid Gothic, Adv. Figs.	•	—	•	•	•	•	•	•	•	•
24 Δ 45	Gothic No. 16, Adv. Figs.	—	—	—	—	—	—	•	•	•	—
24 Δ 46	Metroblack No. 2 with Italic	—	—	•	•	•	•	•	•	•	+
24 Δ 47	Roman Bold Condensed	•	•	•	•	•	•	•	•	•	•
24 Δ 48	Memphis Bold with Memphis Light	—	—	•	•	•	•	•	•	+	+
24 Δ 49	Borders	—	—	—	—	—	—	—	—	—	—
24 Δ 50	Metrolite No. 2 with Italic	—	—	—	—	—	—	—	—	—	+
24 Δ 51	Gothic No. 13	•	•	•	•	•	•	•	•	•	•
24 Δ 53	Gothic No. 18	•	•	•	•	•	•	•	•	•	•
24 Δ 54	Metromedium No. 2 with Italic	—	—	•	•	•	•	•	•	•	+
24 Δ 55	Cheltenham Condensed	•	•	•	•	•	•	•	•	•	•
24 Δ 56	Erbor Bold Condensed with Erbor Light Condensed	•	•	•	•	•	•	•	•	•	•
24 Δ 57	Century Bold Condensed	•	•	•	•	•	•	•	•	•	•
24 Δ 58	Garamond Bold No. 3 with Italic	—	•	•	•	•	•	•	•	•	+
24 Δ 59	Gothic Condensed No. 3, Caps and Figures	•	•	•	•	•	•	•	•	•	•
24 Δ 63	Old Style No. 7, Adv. Caps	—	—	•	•	•	•	•	•	•	—
24 Δ 66	Caslon No. 3 with Italic	—	—	•	•	•	•	•	•	•	+
24 Δ 67	Bold Face No. 6, Adv. Figs.	—	—	•	•	•	•	•	•	•	•
24 Δ 69	Russian Antique Block Condensed No. 2	•	—	—	—	—	—	•	•	•	•
24 Δ 71	Russian Caption	•	—	—	—	—	—	•	•	•	•
24 Δ 73	Bodoni	—	•	•	•	•	•	•	•	•	+
24 Δ 75	Cheltenham Bold	—	•	•	•	•	•	•	•	•	+
24 Δ 79	Old Style No. 7	—	•	•	•	•	•	•	•	•	+
24 Δ 85	Syriac	•	•	•	•	•	•	•	•	•	•
24 Δ 89	Elzevir No. 2	—	•	•	•	•	•	•	•	•	•
24 Δ 95	Cheltenham Bold Extra Condensed Italic	•	•	•	•	•	•	•	•	•	•
24 Δ 97	Servian Antique Black Condensed No. 2	•	—	—	—	—	—	•	•	•	•
24 Δ 99	Condensed Outline	•	•	•	•	•	•	•	•	•	•
24 Δ 101	Cheltenham	—	•	•	•	•	•	•	•	•	+
24 Δ 105	Arabic Bold Condensed	•	•	•	•	•	•	•	•	•	•
24 Δ 107	Century Bold	—	•	•	•	•	•	•	•	•	+

Explanation of Reference Marks: • Will Run in Magazines Listed.  
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 + Lower Case Only Will Run.

## (50) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL L.C. IN CAP CHNL	90-CHANNEL L.C. IN CAP CHNL	72-CHANNEL L.C. IN CAP CHNL	72-CHANNEL L.C. IN CAP CHNL	WIDE 72-CHANNEL L.C. IN CAP CHNL	WIDE 72-CHANNEL L.C. IN CAP CHNL	WIDE 34-CHANNEL ADJUSTABLE	34-CHANNEL ADJUSTABLE	28-CHANNEL ADJUSTABLE
24Δ113	Bodoni Condensed	•	•	•	•	•	•	•	•	•
24Δ115	Bodoni Book	—	•	•	•	•	•	•	•	•
24Δ117	Cheltenham Bold Italic	—	•	•	•	•	•	•	•	•
24Δ119	Caslon Bold Condensed	—	•	•	•	•	•	•	•	•
24Δ121	Bodoni Bold	•	•	•	•	•	•	•	•	•
24Δ123	Cheltenham Bold Condensed	•	•	•	•	•	•	•	•	•
24Δ125	Caslon Old Face Italic	—	•	•	•	•	•	•	•	•
24Δ127	Caslon Old Face	—	•	•	•	•	•	•	•	•
24Δ129	Servion Caption	•	—	—	—	—	—	•	•	•
24Δ131	Century Bold Italic	—	•	•	•	•	•	•	•	•
24Δ133	Elzevir No. 3	—	•	•	•	•	•	•	•	•
24Δ135	Antique No. 1	—	•	•	•	•	•	•	•	•
24Δ137	Century Expanded	—	•	•	•	•	•	•	•	•
24Δ139	Gothic No. 16	—	•	•	•	•	•	•	•	•
24Δ141	De Vinne Outline	—	•	•	•	•	•	•	•	•
24Δ143	Title No. 2	—	•	•	•	•	•	•	•	•
24Δ145	Arabic	•	—	—	—	—	—	•	•	•
24Δ147	Bodoni Bold Italic	•	—	—	—	—	—	•	•	•
24Δ155	Arabic Bold	•	—	—	—	—	—	•	•	•
24Δ157	De Vinne Condensed	—	•	•	•	•	•	•	•	•
24Δ159	Cheltenham Italic	—	•	•	•	•	•	•	•	•
24Δ161	Bodoni Bold, Adv. Figs.	◆	—	•	—	•	—	•	•	•
24Δ165	Cheltenham Extra Condensed Italic	•	•	•	•	•	•	•	•	•
24Δ167	Bodoni Book Italic	—	•	•	•	•	•	•	•	•
24Δ169	Bodoni Italic	—	•	•	•	•	•	•	•	•
24Δ171	Scotch	—	•	—	•	•	•	•	•	•
24Δ173	Cheltenham Bold Condensed Italic	—	•	•	•	•	•	•	•	•
24Δ175	Caslon No. 3	—	•	—	•	•	•	•	•	•
24Δ177	Caslon No. 3 Italic	—	•	—	•	•	•	•	•	•
24Δ179	Benedictine	—	•	•	•	•	•	•	•	•
24Δ181	Benedictine Italic	—	•	•	•	•	•	•	•	•
24Δ185	Benedictine Book	—	•	•	•	•	•	•	•	•
24Δ187	Gothic No. 13, Adv. Figs.	◆	—	•	—	•	—	•	•	•
24Δ189	Benedictine Book Italic	—	•	•	•	•	•	•	•	•
24Δ191	Cheltenham Bold Extra Con- densed, Adv. Figs.	◆	—	•	—	•	—	•	•	•
24Δ193	Benedictine Bold	◆	—	•	—	•	—	•	•	•
24Δ195	Cheltenham, Adv. Figs.	◆	—	•	—	•	—	•	•	•
24Δ197	Benedictine Bold Italic	—	•	•	•	•	•	•	•	•
24Δ199	Clearface Bold	—	•	•	•	•	•	•	•	•
24Δ201	Clearface Bold Italic	—	•	•	•	•	•	•	•	•
24Δ205	Metromedium	—	•	•	•	•	•	•	•	•
24Δ207	Cloister Bold	—	•	•	•	•	•	•	•	•
24Δ209	Cloister Bold Italic	—	•	•	•	•	•	•	•	•
24Δ211	Norciis	—	•	•	•	•	•	•	•	•
24Δ215	Gothic No. 3B	—	•	•	•	•	•	•	•	•

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— Will Not Run in Magazines Listed.

◆ Figures Will Run in Advertising Figure Layout.

+ Lower Case Only Will Run.

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
24Δ217	Arobic Old Style	●	—	●	—	—	—	●	●	●
24Δ219	Mid Gothic, Superior Figs.	●	—	●	—	—	—	●	●	●
24Δ221	Arobic Bold Old Style	●	—	●	—	—	—	●	●	●
24Δ223	Cloister	—	●	●	●	●	●	●	●	+
24Δ225	Cloister Italic	—	●	●	●	●	●	●	●	+
24Δ227	Garamond	—	●	●	●	●	●	●	●	+
24Δ229	Garamond Italic	—	●	●	●	●	●	●	●	+
24Δ235	Garamond Bold	—	—	●	●	●	●	●	●	+
24Δ237	Garamond Bold Italic	—	—	●	●	●	●	●	+	+
24Δ241	Bodoni Bold Condensed	●	●	●	●	●	●	●	●	+
24Δ243	Ionic Condensed	●	●	●	●	●	●	●	●	●
24Δ249	Hebrew No. 3	—	—	●	—	—	—	●	●	●
24Δ251	Hebrew No. 3 Italic	—	—	●	—	—	—	●	●	●
24Δ255	Pobst Extra Bold, Adv. Figs.	—	—	—	—	●	—	●	●	—
24Δ257	Poster Bodoni	—	—	—	●	—	—	●	+	—
24Δ259	Pobst Extra Bold	—	—	—	●	—	—	●	+	—
24Δ261	Vulcan Bold	—	—	—	●	—	—	●	+	—
24Δ263	Vulcan Bold Italic	—	—	—	●	—	—	●	+	—
24Δ265	Armenian Title No. 1	—	—	—	—	—	—	●	●	—
24Δ267	Metroblock	—	—	●	●	●	●	●	●	+
24Δ269	Metro-lite	—	—	●	●	●	●	●	●	+
24Δ271	Cloister Bold, Adv. Figs.	◆	—	—	—	—	—	●	●	●
24Δ273	Bodoni Bold Italic, Adv. Figs.	◆	—	—	—	—	—	●	●	●
24Δ275	Metrothin	—	●	●	—	—	—	●	●	+
24Δ277	Metroblock, Adv. Figs.	—	—	●	—	—	—	●	●	●
24Δ279	Pobst Extra Bold Condensed	—	●	●	—	—	—	●	●	+
24Δ281	Metroblock No. 2	—	—	●	—	—	—	●	●	+
24Δ283	Metro-lite No. 2	—	—	●	—	—	—	●	●	+
24Δ285	Metramedium No. 2	—	—	●	—	—	—	●	●	+
24Δ287	Metrothin No. 2	—	●	●	●	●	●	●	●	+
24Δ289	Pobst Extra Bold Condensed, Adv. Figs.	◆	—	●	—	—	—	●	●	●
24Δ291	Poster Bodoni, Adv. Figs.	—	—	—	—	—	—	●	●	—
24Δ295	Erbar Bold Condensed	●	●	●	●	●	●	●	●	●
24Δ297	Coslon Bold Extra Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
24Δ299	Erbar Light Condensed	●	—	●	—	●	—	●	●	●
24Δ301	Memphis Light	—	—	●	●	—	—	●	+	+
24Δ303	Memphis Bold	—	—	●	●	—	—	●	+	+
24Δ305	Metramedium, Adv. Figs.	◆	—	●	—	—	—	●	●	●
24Δ307	Teletype Bodoni Bold	—	—	●	●	—	—	●	●	—
24Δ309	Gothic No. 39, Adv. Figs.	—	—	●	—	—	—	●	●	●
24Δ311	Gothic No. 40, Adv. Figs.	—	—	—	—	—	—	●	●	●
24Δ313	Gothic No. 41, Adv. Figs.	—	—	—	—	—	—	●	●	●
24Δ315	Gothic No. 39, Figures, Auxiliary Position	—	—	●	—	—	—	●	●	●
24Δ317	Gothic No. 40, Figures, Auxiliary Position	—	—	●	—	—	—	●	●	●

Explanation of Reference Marks: ● Will Run in Magazines Listed.  
 — Will Not Run in Magazines Listed.  
 ◆ Figures Will Run in Advertising Figure Layout.  
 + Lower Case Only Will Run.

## (52) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP GANH.	72-CHANNEL	72-CHANNEL L. C. IN CAP GANH.	WIDE 72-CHANNELS	WIDE 72-CHANNEL L. C. IN CAP GANH.	WIDE 34-CHANNEL ADJUST	34-CHANNEL ADJUST	28-CHANNEL ADJUST
24Δ319	Gothic No. 41, Figures, Auxiliary Position	—	—	—	—	—	—	—	—	—
24Δ321	Granjon	—	•	•	•	•	•	•	•	+
24Δ323	Granjon Italic	—	•	•	•	•	•	•	•	+
24Δ325	Metrothin Italic	—	•	•	•	•	•	•	•	+
24Δ327	Metrothin Italic	—	•	•	•	•	•	•	•	+
24Δ329	Memphis Light, Adv. Figs.	♦	—	—	—	—	—	—	—	—
24Δ331	Cheltenham Medium Condensed	—	•	•	•	•	•	•	•	•
24Δ333	Memphis Extra Bold	—	—	—	—	—	—	—	—	+
24Δ335	Coslon Italic	—	•	—	•	•	•	•	•	+
24Δ339	Garamond Bold No. 3	—	•	•	•	•	•	•	•	+
24Δ345	Memphis Bold, Adv. Figs.	♦	—	—	—	—	—	—	—	—
24Δ349	Memphis Medium	—	—	•	•	•	•	•	•	+
24Δ351	Franklin Gothic	—	—	—	—	—	—	—	—	+
24Δ353	Erbor Medium Condensed	•	•	•	•	•	•	•	•	•
24Δ355	Memphis Extra Bold, Adv. Figs.	—	—	—	—	—	—	—	—	•
24Δ357	Servion Coslon No. 3	—	—	—	—	—	—	—	—	—
24Δ359	Greek Erbor Light Condensed, Caps and Figures	—	—	—	—	—	—	•	•	—
24Δ361	Erbor Bold Condensed, Adv. Figs.	•	—	•	—	•	—	•	•	•
24Δ683	Granjon	—	•	•	•	•	•	•	•	+
24Δ840	Granjon Italic	—	•	•	•	•	•	•	•	+
<b>26 POINT</b>										
26Δ1	Arabic	•	—	—	—	—	—	•	•	•
26Δ3	Borders	—	—	—	—	—	—	—	—	—
<b>27 POINT</b>										
27Δ1	Bodoni Bold	—	•	•	•	•	•	•	•	+
<b>28 POINT</b>										
28Δ1	Gothic No. 14, Caps and Figures	•	—	•	—	•	—	•	•	•
28Δ3	Gothic No. 14B, Caps and Figures	•	—	•	—	•	—	•	•	•
28Δ5	Gothic Condensed No. 3, Caps and Figures	•	—	•	—	•	—	•	•	•
28Δ9	Hebrew Condensed	•	—	•	—	•	—	•	•	•
28Δ11	Russian Antique No. 14	•	—	—	—	—	—	•	•	•
28Δ13	Borders	—	—	—	—	—	—	—	—	—
28Δ17	Hebrew	—	—	—	—	•	—	•	—	—
28Δ19	Erbor Bold Condensed	•	•	•	•	•	•	•	•	•
28Δ21	Erbor Light Condensed	•	•	•	•	•	•	•	•	•
28Δ23	Erbor Medium Condensed	•	•	•	•	•	•	•	•	•
28Δ25	Greek Erbor Light Condensed, Caps and Figures	—	—	—	—	—	—	•	•	—

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 + Lower Case Only Will Run.

30 POINT		90-CHANNEL	90-CHANNEL L.C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L.C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L.C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
TRIANGLE NO.	NAME OF FACE									
30Δ1	Gothic Condensed No. 3, Caps and Figures	•	—	•	—	•	—	•	•	•
30Δ3	Gothic Condensed No. 2	•	•	•	•	•	•	•	•	•
30Δ7	Cheltenham Bold Extra Con- densed	•	•	•	•	•	•	•	•	•
30Δ9	Latin Condensed, Caps and Figures	•	—	•	—	•	—	•	•	•
30Δ19	Latin Compressed, Caps and Figures	•	—	•	—	•	—	•	•	•
30Δ23	Bold Face No. 6, Adv. Figs.	—	—	—	—	—	—	•	•	•
30Δ25	Century Bold, Adv. Figs.	—	—	•	—	•	—	•	•	•
30Δ27	Russion Antique Block Con- densed No. 2	•	—	—	—	—	—	•	•	•
30Δ29	Bodoni	—	—	•	•	•	•	•	+	+
30Δ31	Cheltenham Bold	—	—	•	•	•	•	•	+	+
30Δ33	Gothic No. 16, Adv. Figs.	—	—	—	—	—	—	•	—	—
30Δ37	Gothic No. 13, Adv. Figs.	◆	—	•	—	—	—	•	•	•
30Δ39	De Vinne Condensed, Adv. Figs.	—	—	•	—	—	—	•	•	•
30Δ41	Elzevir No. 2	—	—	•	•	•	•	•	•	+
30Δ43	Cheltenham Bold Condensed, Adv. Figs.	◆	—	•	—	•	—	•	•	•
30Δ49	Servion Antique Block Con- densed No. 2	•	—	—	—	—	—	•	•	•
30Δ51	Mid Gothic, Adv. Figs.	—	—	•	—	—	—	•	•	•
30Δ53	Condensed Outline, Caps and Figures	•	—	•	—	•	—	•	•	•
30Δ55	Cheltenham	—	•	•	•	•	•	•	+	+
30Δ59	Gothic No. 13	•	•	•	•	•	•	•	•	•
30Δ61	Borders	—	—	—	—	—	—	—	—	—
30Δ63	Gothic No. 16, Hebrew Align- ment, Figures	—	—	—	—	—	—	•	—	—
30Δ67	Caslon Bold Condensed	—	—	•	•	•	•	•	•	+
30Δ69	Bodoni Bold	—	—	•	•	•	•	•	+	+
30Δ71	Cheltenham Bold Condensed	—	•	•	•	•	•	•	•	+
30Δ75	Century Bold Extra Condensed, Caps and Figures	•	—	•	—	•	—	•	•	•
30Δ79	Poster Bodoni	—	•	•	—	•	•	•	—	—
30Δ83	De Vinne Condensed	—	•	•	•	•	•	•	•	+
30Δ87	Bodoni Bold, Adv. Figs.	—	—	•	—	—	—	•	•	•
30Δ89	Century Bold	—	—	—	•	•	•	•	+	—
30Δ91	Century Bold Italic	—	—	—	•	•	•	•	+	—
30Δ93	Gothic No. 16	—	—	—	•	•	•	•	+	—
30Δ95	Cheltenham Bold Italic	—	—	—	•	•	•	•	+	—
30Δ97	Cheltenham Italic	—	•	—	•	•	•	•	+	+
30Δ99	Gothic No. 13, Hebrew Align- ment, Figures	•	—	•	—	•	—	•	•	•
30Δ101	Cheltenham Extra Condensed Italic	—	•	•	•	•	•	•	•	+

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— Will Not Run in Magazines Listed.

◆ Figures Will Run in Advertising Figure Layout.

+ Lower Case Only Will Run.

## (54) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	50-CHANNEL L.C. IN CAP CHAL.	72-CHANNEL	72-CHANNEL L.C. IN CAP CHAL.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L.C. IN CAP CHAL.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
30Δ103	Bodoni Book Italic	—	—	—	—	—	—	—	—	+
30Δ105	Bodoni Italic	—	—	—	—	—	—	—	—	+
30Δ107	Scotch	—	—	—	—	—	—	—	—	—
30Δ109	Bodoni Book	—	—	—	—	—	—	—	—	+
30Δ111	Cheltenham Bold Condensed Italic	—	—	—	—	—	—	—	—	+
30Δ113	Caslon No. 3	—	—	—	—	—	—	—	—	—
30Δ115	Caslon No. 3 Italic	—	—	—	—	—	—	—	—	—
30Δ119	Benedictine	—	—	—	—	—	—	—	—	+
30Δ121	Benedictine Italic	—	—	—	—	—	—	—	—	—
30Δ123	Bodoni Bold Italic	—	—	—	—	—	—	—	—	+
30Δ127	Latin Extra Condensed, Caps and Figures	—	—	—	—	—	—	—	—	+
30Δ129	Caslon Old Face	—	—	—	—	—	—	—	—	+
30Δ131	Benedictine Book	—	—	—	—	—	—	—	—	+
30Δ135	Benedictine Book Italic	—	—	—	—	—	—	—	—	+
30Δ139	Benedictine Bold	—	—	—	—	—	—	—	—	—
30Δ141	Hebrew Condensed	—	—	—	—	—	—	—	—	—
30Δ143	Benedictine Bold Italic	—	—	—	—	—	—	—	—	+
30Δ145	Clearface Bold	—	—	—	—	—	—	—	—	+
30Δ147	Clearface Bold Italic	—	—	—	—	—	—	—	—	+
30Δ149	Cheltenham, Adv. Figs.	—	—	—	—	—	—	—	—	+
30Δ151	Cheltenham Bold No. 2	—	—	—	—	—	—	—	—	+
30Δ153	Bodoni Condensed	—	—	—	—	—	—	—	—	+
30Δ155	Claister Bold	—	—	—	—	—	—	—	—	+
30Δ157	Claister Bold Italic	—	—	—	—	—	—	—	—	+
30Δ159	Norciss	—	—	—	—	—	—	—	—	+
30Δ161	Claister	—	—	—	—	—	—	—	—	+
30Δ163	Claister Italic	—	—	—	—	—	—	—	—	+
30Δ165	Garamond	—	—	—	—	—	—	—	—	+
30Δ167	Garamond Italic	—	—	—	—	—	—	—	—	+
30Δ173	Garamond Bold	—	—	—	—	—	—	—	—	+
30Δ175	Garamond Bold Italic	—	—	—	—	—	—	—	—	+
30Δ179	Cheltenham Bold, Adv. Figs.	—	—	—	—	—	—	—	—	+
30Δ181	Gothic Condensed No. 4, Caps and Figures	—	—	—	—	—	—	—	—	+
30Δ183	Bodoni Bold Condensed	—	—	—	—	—	—	—	—	+
30Δ185	Ionic Condensed	—	—	—	—	—	—	—	—	+
30Δ187	Cheltenham Condensed	—	—	—	—	—	—	—	—	+
30Δ193	Metrolite	—	—	—	—	—	—	—	—	+
30Δ195	Claister Bold, Adv. Figs.	—	—	—	—	—	—	—	—	+
30Δ197	Metrolite	—	—	—	—	—	—	—	—	+
30Δ201	Pabst Extra Bold (Figures Only)	—	—	—	—	—	—	—	—	+
30Δ203	Metromedium	—	—	—	—	—	—	—	—	+
30Δ205	Metrolite	—	—	—	—	—	—	—	—	+
30Δ207	Pabst Extra Bold Condensed	—	—	—	—	—	—	—	—	+
30Δ209	Metrolite No. 2	—	—	—	—	—	—	—	—	+
30Δ211	Metrolite No. 2	—	—	—	—	—	—	—	—	+

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L.C. IN CAP CHAN	72-CHANNEL	72-CHANNEL L.C. IN CAP CHAN	WIDE 72-CHANNEL	WIDE 72-CHANNEL L.C. IN CAP CHAN	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
30Δ213	Metromedium No. 2	—	—	—	●	●	●	●	+	+
30Δ215	Metrorthin No. 2	—	—	—	●	●	●	●	+	+
30Δ217	Pobst Extra Bold, Adv. Figs. (auxiliary position)	—	—	—	—	—	—	●	—	—
30Δ219	Coslon Bold Extra Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
30Δ221	Pobst Extra Bold Condensed, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ223	Memphis Light	—	—	—	●	●	●	●	+	—
30Δ225	Memphis Bold	—	—	—	●	●	●	●	+	—
30Δ227	Metromedium, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ229	Teletype Bodoni Bold	—	—	—	●	●	—	●	—	—
30Δ231	Gothic No. 39, Adv. Figs.	—	—	—	—	●	—	●	●	—
30Δ233	Gothic No. 40, Adv. Figs.	—	—	—	—	—	—	●	—	—
30Δ235	Gothic No. 41, Adv. Figs.	—	—	—	—	—	—	●	—	—
30Δ237	Poster Bodoni, Adv. Figs.	—	—	—	—	—	—	●	—	—
30Δ239	Gothic No. 39, Figures (auxiliary position)	—	—	—	—	●	—	●	●	—
30Δ241	Gothic No. 40, Figures (auxiliary position)	—	—	—	—	●	—	●	●	—
30Δ243	Gothic No. 41, Figures (auxiliary position)	—	—	—	—	●	—	●	—	—
30Δ245	Granjon	—	—	—	●	●	●	●	+	+
30Δ247	Metrolite Italic	—	—	●	●	●	●	●	+	+
30Δ249	Metrorthin Italic	—	—	●	●	●	●	●	+	+
30Δ251	Metroblook, Adv. Figs.	—	—	—	—	●	—	●	—	—
30Δ253	Cheltenham Medium Condensed	—	●	●	●	●	●	●	+	+
30Δ255	Coslon Italic	—	—	—	●	●	●	●	+	—
30Δ261	Garamond Bold No. 3	—	—	—	●	●	●	●	+	+
30Δ265	Memphis Bold, Adv. Figs.	—	—	●	—	—	—	●	●	●
30Δ269	De Vinne Outline	—	—	—	—	●	●	●	+	—
30Δ271	Memphis Medium	—	—	—	●	●	●	●	+	—
30Δ273	Gothic Condensed No. 3B, Caps, Figures and Points	●	—	●	—	—	—	●	●	●
30Δ275	Memphis Light, Adv. Figs.	—	—	—	—	●	—	●	●	●
30Δ277	Memphis Extra Bold	—	—	—	●	●	—	—	—	—
30Δ285	Memphis Extra Bold, Adv. Figs.	—	—	—	—	●	—	●	—	—
30Δ685	Granjon	—	—	—	●	●	●	●	+	+

## 34 POINT

34Δ1	Gothic No. 14, Caps and Figures	●	—	●	—	●	—	●	●	●
34Δ3	Gothic Condensed No. 3, Caps and Figures	●	—	●	—	—	—	●	●	●
34Δ5	Russion Antique No. 14	●	—	—	—	—	—	●	●	●
34Δ9	Armenian Gothic Condensed No. 2	—	—	—	—	—	—	●	●	—
34Δ11	Erbor Bold Condensed	—	●	●	●	●	●	●	●	●
34Δ13	Erbor Light Condensed	—	●	●	●	●	●	●	●	●

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+ Lower Case Only Will Run.

## (56) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
34Δ15	Erbor Medium Condensed	—	•	•	•	•	•	•	•	•
34Δ17	Greek Erbor Light Condensed, Caps and Figures	—	—	—	—	—	—	•	•	—
<b>36 POINT</b>										
36Δ1	Gothic Condensed No. 3	•	•	•	•	•	•	•	•	•
36Δ3	Gothic No. 14, Caps and Figures	•	—	—	—	—	—	•	•	•
36Δ5	Coption	•	•	•	•	•	•	•	•	•
36Δ9	Hebrew Condensed	•	—	•	—	•	—	•	•	•
36Δ13	Gothic Condensed No. 2, Adv. Figs.	—	—	•	—	•	—	•	•	•
36Δ15	Bold Face No. 6, Adv. Figs.	—	—	—	—	—	—	•	•	—
36Δ17	Bodoni	—	—	—	•	•	•	•	+	—
36Δ19	Russian Coption	•	—	—	—	—	—	•	•	•
36Δ23	Gothic Condensed No. 2	•	•	•	•	•	•	•	•	•
36Δ29	De Vinne Condensed, Adv. Figs.	—	—	—	•	—	—	•	•	—
36Δ31	Elzevir No. 2	—	—	—	•	•	•	•	+	—
36Δ33	Cheltenham Bold	—	—	—	•	•	•	•	—	—
36Δ35	Borders	—	—	—	—	—	—	—	—	—
36Δ43	Cheltenham	—	—	—	•	•	•	•	+	—
36Δ45	Cheltenham Bold Extra Con- densed	•	•	•	•	•	•	•	•	•
36Δ55	Century Bold	—	—	—	•	•	•	•	—	—
36Δ59	Gothic No. 16	—	—	—	—	—	—	•	—	—
36Δ61	Gothic No. 13	—	•	•	•	•	•	•	+	—
36Δ65	Bodoni Bold	—	—	—	•	•	•	•	+	—
36Δ67	Hebrew	—	—	—	—	—	—	—	—	—
36Δ73	Cheltenham Bold Condensed	—	—	—	•	•	•	•	+	—
36Δ79	Benedictine	—	—	—	•	•	•	•	+	—
36Δ81	Caslon Old Face	—	—	—	•	—	•	•	+	—
36Δ83	Benedictine Book	—	—	—	•	•	•	•	+	—
36Δ85	Lotin Condensed, Caps and Figures	—	—	•	—	•	—	•	•	—
36Δ87	Benedictine Bold	—	—	—	—	•	•	•	—	—
36Δ89	Norciis	—	—	—	—	•	•	•	—	—
36Δ91	Cloister	—	—	—	•	•	•	•	+	+
36Δ93	Garamond	—	—	—	—	—	—	•	—	—
36Δ97	Garamond Bold	—	—	—	—	—	—	•	—	—
36Δ99	Ionic Condensed	—	•	•	•	•	•	•	•	•
36Δ103	Metrolite	—	—	—	—	—	—	•	—	—
36Δ105	Metrolite	—	—	—	—	—	—	•	—	—
36Δ109	Metromedium	—	—	—	•	•	•	•	+	—
36Δ111	Metrothin	—	—	—	•	•	•	•	+	—
36Δ113	Pobst Extra Bold, Adv. Figs.	—	—	—	—	—	—	•	—	—
36Δ115	Metrolite No. 2	—	—	—	—	—	—	•	—	—
36Δ117	Metrolite No. 2	—	—	—	—	—	—	•	—	—
36Δ119	Metromedium No. 2	—	—	—	•	•	•	•	+	—
36Δ121	Metrothin No. 2	—	—	—	•	•	•	•	+	—

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L.C. IN CAP CHAL	72-CHANNEL	72-CHANNEL L.C. IN CAP CHAL	WIDE 72-CHANNEL	WIDE 72-CHANNEL L.C. IN CAP CHAL	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
36 Δ 123	Poster Bodoni	—	—	—	•	•	•	•	+	—
36 Δ 125	Pobst Extra Bold Condensed	—	—	—	•	•	•	•	+	—
36 Δ 127	Memphis Light	—	—	—	—	—	•	•	—	—
36 Δ 129	Memphis Bold	—	—	—	—	—	•	•	—	—
36 Δ 131	Gothic No. 39, Adv. Figs.	—	—	—	—	—	•	•	—	—
36 Δ 133	Gothic No. 40, Adv. Figs.	—	—	—	—	—	•	•	—	—
36 Δ 135	Gothic No. 41, Adv. Figs.	—	—	—	—	—	•	•	—	—
36 Δ 137	Cloister Bold	—	—	—	•	•	•	•	+	—
36 Δ 139	Cloister Bold Italic	—	—	—	•	•	•	•	+	—
36 Δ 143	Coslon Bold Condensed	—	—	—	•	•	•	•	+	—
36 Δ 145	Bodoni Bold Condensed	—	—	•	•	•	•	•	+	+
36 Δ 147	Coslon	—	—	—	•	•	•	•	+	—
36 Δ 149	Century Bold Italic	—	—	—	—	—	•	•	—	—
36 Δ 157	Cheltenham Bold Condensed Italic, Caps and Figures	—	—	—	—	•	—	•	—	—
36 Δ 159	De Vinne Outline	—	—	—	—	•	•	•	—	—
36 Δ 161	Memphis Extra Bold, Adv. Figs.	—	—	—	—	—	•	•	—	—
36 Δ 638	Gronjon	—	—	—	•	•	•	•	+	—

#### 42 POINT

42 Δ 1	Gothic No. 14, Caps and Figures	•	—	•	—	•	—	•	•	•
42 Δ 5	Russion Antique No. 14	—	—	—	—	—	—	•	•	—
42 Δ 7	Gothic No. 16, Adv. Figs.	—	—	—	—	—	—	•	•	—
42 Δ 9	Cheltenham Bold, Adv. Figs.	—	—	—	—	—	—	•	•	—
42 Δ 11	Century Bold, Adv. Figs.	—	—	—	—	—	—	•	•	—
42 Δ 13	Cheltenham Bold Condensed, Adv. Figs.	—	—	—	—	•	—	•	•	—
42 Δ 15	De Vinne Condensed, Adv. Figs.	—	—	—	—	•	—	•	•	—
42 Δ 17	Servion Antique No. 14	—	—	—	—	—	—	•	•	—
42 Δ 21	Cheltenham Bold Extra Con- densed, Caps and Figures	•	—	•	—	•	—	•	•	•
42 Δ 25	Gothic Condensed No. 4, Caps and Figures	•	—	•	—	•	—	•	•	•
42 Δ 27	Gothic Condensed No. 2, Caps and Figures	—	—	•	—	•	—	•	•	•
42 Δ 29	Hebrew Condensed	—	—	—	—	—	—	•	—	—
42 Δ 35	Ionic Extra Condensed, Caps and Figures	—	—	•	—	•	—	•	•	•
42 Δ 37	Pobst Extra Bold Condensed, Adv. Figs.	—	—	—	—	•	—	•	—	—
42 Δ 39	Gothic No. 39, Adv. Figs.	—	—	—	—	—	—	•	—	—
42 Δ 41	Gothic No. 40, Adv. Figs.	—	—	—	—	—	—	•	—	—
42 Δ 43	Gothic No. 41, Adv. Figs.	—	—	—	—	—	—	•	—	—
42 Δ 45	Hebrew Extra Condensed	—	—	—	—	—	—	•	•	—
42 Δ 47	Erbor Light Condensed	—	—	•	•	•	•	•	+	+
42 Δ 49	Erbor Bold Condensed	—	—	—	—	•	•	•	+	—
42 Δ 51	Cloister Bold, Adv. Figs.	—	—	—	—	—	—	•	•	—
42 Δ 53	Gothic No. 13, Adv. Figs.	—	—	—	—	•	—	•	•	—

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 + Lower Case Only Will Run.

## (58) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L.C. IN COP CHANNEL	72-CHANNEL	72-CHANNEL L.C. IN COP CHANNEL	WIDE 72-CHANNEL	WIDE 72-CHANNEL L.C. IN COP CHANNEL	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
42Δ55	Greek Erbar Light Condensed, Caps and Figures	—	—	—	—	—	●	●	—	—
42Δ57	Bodoni Bold	—	—	●	●	●	●	●	—	—
42Δ59	Erbar Medium Condensed	—	—	●	●	●	●	●	—	+
<b>*48 POINT</b>										
48Δ1	Gothic No. 14, Caps and Figures	—	—	●	—	●	—	●	●	●
48Δ3	Gothic Condensed No. 3, Caps and Figures	—	—	●	—	●	—	●	●	●
48Δ9	Cheltenham Bold Extra Con- densed, Caps and Figures	—	—	●	—	●	—	●	●	—
48Δ11	Pobst Extra Bold Condensed, Caps and Figures	—	—	—	—	—	—	●	—	—
48Δ13	Pobst Extra Bold Condensed No. 1, Caps and Figures	—	—	—	—	—	—	●	—	—
48Δ15	Erbar Bold Condensed	—	—	—	●	●	●	—	—	—
48Δ17	Erbar Light Condensed	—	—	—	●	●	●	●	+	+
48Δ19	Erbar Bold Condensed No. 1, Caps and Figures	—	—	—	—	●	—	●	—	—
48Δ21	Gothic No. 13	—	—	—	—	—	—	●	—	—
48Δ23	Memphis Extra Bold, Adv. Figs.	—	—	—	—	—	—	—	—	—
48Δ687	Gronjan, Caps and Figures	—	—	—	—	—	—	—	—	—
<b>*54 POINT</b>										
54Δ1	Gothic No. 14, Caps and Figures	—	—	●	—	●	—	●	●	●
54Δ3	Erbar Light Condensed, Caps and Figures	—	—	—	—	●	—	●	—	—
54Δ5	Erbar Bold Condensed, Caps and Figures	—	—	—	—	●	—	●	—	—
<b>*60 POINT</b>										
60Δ1	Gothic No. 14, Caps and Figures	—	—	●	—	●	—	●	●	—
60Δ3	Cheltenham Bold Condensed, Caps and Figures	—	—	—	—	●	—	●	—	—
60Δ5	Gothic Condensed No. 3, Caps and Figures	—	—	●	—	●	—	●	●	—
60Δ7	Erbar Light Condensed, Caps and Figures	—	—	—	—	●	—	●	—	—
60Δ9	Erbar Bold Condensed, Caps and Figures	—	—	—	—	—	—	●	—	—

*Explanation of Reference Marks:* ● Will Run in Magazines Listed.  
— Will Not Run in Magazines Listed.  
+ Lower Case Only Will Run.

\* These faces, except 48Δ13 and 48Δ19, are on 45 point alignment and require the 41 to 45 point mold for casting.

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# Suggested Font Schemes

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On the following pages are shown thirty-five different font arrangements for two-letter and display matrices, each of which is designed to meet specific requirements in the entire field of Linotype composition. The quantities suggested for each character are based on the normal frequency of use of that character in the class of work to which a given font arrangement is best adapted. The quantities suggested are the minimum which can ordinarily be used with economy, although in some cases the list of characters may be modified to suit individual requirements. Under Display font schemes note that List A faces run in 90-channel magazines, while List B faces run only in 72-channel or auxiliary magazines.

## TWO-LETTER FACES. 90-CHANNEL MAGAZINE

**No. 1.** For all-purpose use, such as book, catalog, advertising, newspaper and composition in small faces set wide measure. For full-length magazine. 1500 matrices.

**No. 2.** The same as No. 1, with the elimination of certain reference and other characters that are infrequently used. A good serviceable font for large or small faces in any measure. For full-length magazine. 1200 matrices.

**No. 3.** For news composition. Not suitable for book work. Quantities suggested for each character scientifically correct according to normal frequency of use in newspaper composition. For full-length magazine. 1100 matrices.

**No. 50.** Suggested for three-quarter length magazine. Similar to No. 2 font but with quantity of characters reduced for use in three-quarter length magazine. 1000 matrices.

**No. 4.** Suggested for use in split magazine straight matter or job composition in faces 10 to 14 point. Also a serviceable font for smaller faces if speed and wide measures are not essential. 790 matrices.

**No. 5.** A two-letter cap font consisting of caps, figures and points. For full- or three-quarter length magazine. 677 matrices.

**No. 6.** A cap font of Lining Gothics or other job faces to run in the magazine. See No. 21 for job font. For split magazine. 509 matrices.

**No. 7.** Provides for three complete cap fonts of Lining Gothics in one magazine. Keyboard diagram No. 98. Quantities or variety of side sorts may be changed to suit requirements. For split magazine. 1469 matrices.

**No. 7A.** Provides for cap font of Lining Gothic when same is to run in cap channels. Keyboard diagram No. 98. For split magazine. 485 matrices.

**No. 7B.** Provides for cap font of Lining Gothic when same is to run in small cap channels. Keyboard diagram No. 98. For split magazine. 514 matrices.

**No. 7C.** Provides for cap font of Lining Gothic when same is to run in lower case channels. Keyboard diagram No. 98. For split magazine. 470 matrices.

**No. 8.** Provides for two complete cap fonts (caps and figures) of Lining Gothics in one magazine. Keyboard diagram No. 138. Quantities or variety of side sorts may be changed to suit requirements. For split magazine. 979 matrices.

**No. 8A.** Provides for cap font (caps and figures) Lining Gothic when same is to run in right side of magazine. Keyboard diagram No. 138. For split magazine. 509 matrices.

## (60) USEFUL MATRIX INFORMATION

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**No. 88.** Provides for cap font (caps and figures) Lining Gothic when some is to run in left side of magazine. Keyboard diagram No. 138. For split magazine. 470 matrices.

### TWO-LETTER FACES. 72-CHANNEL MAGAZINE

**No. 13.** This font is suggested for use in a full-length 72-channel magazine of a display machine where it is to be used part time on news matter. Two channels of lower-case "e" are included. 1200 two-letter matrices.

**No. 47.** For use in a three-quarter length 72-channel magazine of a display machine where it is to be used part time on news matter. Two channels of lower case "e" are included. 900 two-letter matrices.

**No. 14.** Designed for 12 or 14 point two-letter advertising faces in 72-channel split magazine. Two channels of lower case "e" are included. 701 two-letter matrices.

### DISPLAY FACES. 90-CHANNEL MAGAZINE

**No. 9.** This is an all-purpose arrangement for List A faces where a large amount of composition is required. The No. 10 arrangement suggests a good font if a smaller quantity can be used. For full- or three-quarter length magazine. 770 matrices.

**No. 10.** Same as No. 9 except that quantities are reduced for split magazine. Used for all display faces on List A that will run in standard 90-channel magazine. 636 matrices.

**No. 11.** Cap font for full-length 90-channel magazine. Used for all display faces on List A. 619 matrices.

**No. 12.** Cap font for split 90-channel magazine. Used for all display faces on List A. 446 matrices.

### DISPLAY FACES. 72-CHANNEL MAGAZINE

**No. 17.** Suggested for use in a full- or three-quarter length 72-channel magazine on display machines, where display is to be set continuously and comparatively condensed faces are used. Two channels of lower-case "e" and 15 extra thick spaces are included. 690 matrices.

**No. 15.** The regular font arrangement for display faces in 72-channel split magazine. There are two channels of lower-case "e" and a channel of extra thick spaces. 565 matrices.

**No. 16.** A font of caps, figures and points for use in a 72-channel split magazine. 414 matrices.

### DISPLAY FACES. 55-CHANNEL ARRANGEMENT

**No. 20.** Full- or three-quarter length magazine font extended display faces that run in 55-channel layout of 72-channel magazine. 653 matrices.

**No. 18.** Split magazine font adapted to large extended display faces which run in the 55-channel layout of 72-channel magazine. 462 matrices.

**No. 19.** Cap font for extended display faces which run in the 55-channel layout of 72-channel split magazine. 338 matrices.

**DISPLAY FACES. WIDE 72-CHANNEL MAGAZINE**

**No. 49.** The regular font arrangement for display faces in wide 72-channel magazine. There are two channels of lower-case "e" and a channel of extra thick spaces. 630 matrices.

**TWO-LETTER OR DISPLAY FACES. JOB FONTS**

**No. 21 and 21A.** There is no limit to the amount and variety of small jobs that can be set economically and profitably on the Linotype by means of small job fonts of matrices. This arrangement as to variety of characters and quantities of matrices is merely suggestive, and it may be varied to suit your needs. These fonts are useful for setting side heads, cords, envelope corners, and an almost unlimited variety of small jobs that would otherwise tie up a lot of expensive material.

A small 10-drawer steel cabinet (X-1587) has been especially designed for the use of matrix job fonts. Each drawer has 58 compartments, sufficient for a complete font of caps and lower case. In addition there is an undivided auxiliary drawer at the bottom for tool-storage. The cabinet can be set under the sorts stacker of the machine or any location most convenient for setting and distribution without leaving the keyboard.

**TWO-LETTER OR DISPLAY FACES. AUXILIARY MAGAZINE**

**No. 22.** Regular font arrangement for all styles of auxiliary magazines and of all sizes of face. 289 matrices.

**No. 23.** A font scheme where caps and figures run in one auxiliary magazine with lower case and points in another auxiliary magazine. Can be used for both display and two-letter. 490 matrices.

**COMBINATION FONT SCHEMES. 90-CHANNEL SPLIT MAGAZINE**

**No. 59.** A set of caps and points of two-letter or display (List A) faces running in cap or center channels of 90-channel magazine. Figures run pi. Keyboard diagram No. 6 or 22. 360 matrices.

**No. 52.** A set of caps and points of two-letter or display (List A) faces running in lower-case channels of 90-channel magazine. Figures run pi. Keyboard diagram No. 6 or 22. 390 matrices.

**No. 53.** A set of caps, lower-case and points of two-letter or display (List A) faces running in center and lower-case, or cap and lower-case channels of 90-channel magazine. Figures run pi. Keyboard diagram No. 6 or 22. 660 matrices.

**No. 54.** A set of caps, lower-case and points of two-letter roman with italic and small cap faces, running in lower-case and center channels, or lower-case and cap channels of 90-channel magazine. Figures run pi. Keyboard diagram No. 6 or 22. 770 matrices.

**COMBINATION FONT SCHEMES**

**90-CHANNEL SPLIT AND AUXILIARY MAGAZINE**

**No. 24.** Set of display caps, lower-case and figures, running lower-case in cap channels of 90-channel magazine with caps and figures in auxiliary magazine. 570 matrices.

**No. 56.** A set of display caps, lower-case, figures and points, running lower-case and points in cap and center channels (Diagram No. 135) of 90-channel magazine, with caps and figures in auxiliary magazine. 600 matrices.

**No. 55.** A set of display caps, lower-case, figures and points, running lower-case and points in lower-case and center channels (Diagram No. 135) of 90-channel magazine, with caps and figures in auxiliary magazine. 667 matrices.

**COMBINATION FONT SCHEMES**

**72-CHANNEL SPLIT AND AUXILIARY MAGAZINE**

**No. 57.** A set of display caps, lower-case, figures and points, running lower-case and points in left side of 72-channel magazine (Diagram No. 149), with caps and figures in auxiliary magazine. 550 matrices.

**No. 58.** A set of display caps, lower-case, figures and points, running lower-case and points in right side of 72-channel magazine (Diagram No. 149), with caps and figures in auxiliary magazine. 510 matrices.



## 90-Channel Full Length Magazine

## 1 TWO-LETTER FACES. 1500 Matrices

## ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD										SORTS	
20 a	20 n	18 A	15 N	20 1	10 fl	20 ' 5 [	4 f				
18 b	20 o	12 B	15 O	20 2	10 fl	20 -	5 ]	4 t			
20 c	15 p	12 C	12 P	20 3	10 fl	20	10 -	4 t			
20 d	10 q	15 D	8 Q	20 4	10 fl	12 *	4 R	6 1/4			
20 e	20 r	18 E	12 R	20 5	10 fl	20 thin sp.	4 CE	6 1/4			
18 f	20 s	12 F	18 S	20 6	10 (	20 fig. sp.	5 oe	6 3/8			
15 g	20 t	12 G	18 T	20 7	10 )	20 em sp.	5 oe	6 1/2			
20 h	20 u	15 H	15 U	20 8	20 .	20 .	4 %	6 3/8			
20 i	12 v	15 I	10 V	20 9	20 .	20 ..	5 %	6 3/8			
15 j	15 w	18 J	10 W	20 0	12 ;	20 —	4 f	6 %			
12 k	12 x	12 K	8 X	10 ‡	10 :	10 lb					
20 l	15 y	12 L	10 Y	12 &	20 ' 10 @						
20 m	10 z	18 M	10 Z	6 ?	6 !						

1500 of J-4911 Matrices

## ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD										SORTS	
20 a	10 q	12 F	12 U	20 9	8 :	Roman with Italic	4 [	Small			
15 h	20 r	10 G	10 V	20 0	15 ' 4 &	5 fl	4 ]	Caps			
20 c	20 s	12 H	10 W	10 ‡	6 !	5 &	5 fl	10 -	4 x		
20 d	20 t	12 I	8 X	8 &	16 ' 4 1	5 fl	4 %	4 z			
20 e	20 u	12 J	10 Y	8 ?	16 -	4 2	4 :	6 @	3 oe		
18 f	12 v	10 K	10 Z	8 fl	20	4 3	4 (	4 !	3 oe		
15 g	12 w	12 L	8 fl	10 *	4 4	4 4	4 )	4 %	4 &		
20 h	12 x	12 M	20 1	8 fl	20 thin sp.	4 6	3 oe	4 t			
20 i	12 y	12 N	20 2	10 fl	20 fig. sp.	4 6	3 oe	4 t			
12 j	10 z	12 O	20 3	10 fl	20 em sp.	4 7	3 AE	6 1/4			
12 k		10 P	20 4	10 (	20 .	4 8	3 CE	6 1/4			
20 l	12 A	8 Q	20 5	10 )	20 ..	4 9	6 lb	6 3/8			
20 m	10 B	12 R	20 6	20 .	20 —	6 0	3 &	6 1/2			
20 n	12 C	12 S	20 7	20 .	6 oe	4 ‡		6 3/8			
20 o	12 D	12 T	20 8	10 ;	10 oe			6 3/8			
15 p	15 E							6 %			

1500 of J-4911 Matrices

## 2 TWO-LETTER FACES. 1200 Matrices

## ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD							(SORTS)
20 a	20 n	16 A	12 N	18 1	5 ñ	10 ' 2 1/8	
18 b	20 o	10 B	15 O	18 2	5 ñ	16 - 2 1/4	
20 c	15 p	10 C	8 P	18 3	5 ñ	15   2 3/8	
20 d	10 q	12 D	5 Q	18 4	5 ñ	5 * 2 1/2	
20 e	20 r	18 E	12 R	18 5	5 ñ	20 thin sp. 2 5/8	
18 f	20 s	10 F	12 S	18 6	6 (	20 fig sp. 2 3/4	
15 g	20 t	10 G	14 T	18 7	6 )	20 em sp. 2 7/8	
20 b	20 u	12 H	10 U	18 8	15 .	20 .	
20 l	12 v	14 I	6 V	18 9	15 .	20 ..	
15 j	12 w	10 J	8 W	20 0	8 ;	15 —	
12 k	10 x	8 K	5 X	10 5	6 ;	5 lb	
20 l	12 y	12 L	5 Y	8 &	12 ' 5 @		
20 m	10 z	14 M	5 Z	5 7	5 !		

1200 of J-4911 Matrices

## ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD						SORTS	
20 a	8 q	10 F	10 U	15 9	5 ;	Roman with Italic	2 1/8
15 b	20 r	8 G	6 V	20 0	10 ' 3 Z	3 ñ	2 3/4
20 c	20 s	10 H	8 W	8 5	6 !	3 &	3 m
20 d	20 t	12 I	5 X	6 &	10 ' 3 1	3 m	2 1/2
20 e	20 u	10 J	6 Y	6 7	15 -	3 2	3 :
18 f	12 v	6 K	4 Z	4 ñ	12	3 3	3 (
14 g	12 w	10 L		4 ñ	5 *	3 4	3 )
20 b	12 x	10 M	15 1	4 ñ	20 thin sp.	3 5	3 æ
20 l	12 y	12 N	15 2	4 m	20 fig. sp.	3 6	3 æ
12 j	10 z	10 O	15 3	4 m	20 em sp.	3 7	Small Cap
12 k		8 P	15 4	6 (	20 .	3 8	3 x
20 l	12 A	5 Q	15 5	6 )	20 ..	3 9	3 z
20 m	8 B	10 R	15 6	20 .	15 —	3 0	3 &
20 n	10 C	12 S	15 7	20 ,	5 æ	3 5	
20 o	10 D	12 T	15 8	8 ;	5 æ		
15 p	15 E						

1200 of J-4911 Matrices

## 3 TWO-LETTER FACES. 1100 Matrices

## ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD										SORTS	
20 a	18 n	15 A	14 N	181	8 (	20 thin sp.				3 %	
12 b	20 o	10 B	15 O	182	8)	20 fig. sp.				4 1/8	
12 c	10 p	12 C	8 P	183	15.	20 em sp.				4 1/4	
17 d	6 q	12 D	5 Q	184	15,	20.				4 %	
20 e	18 r	18 E	12 R	185	8 ;	20 ..				4 1/2	
12 f	20 s	9 F	15 S	186	6 :	20 em sp. in flt				4 %	
12 g	20 t	9 G	15 T	187	12'	12 —				4 %	
18 h	12 u	12 H	9 U	188	5 !					4 %	
20 i	8 v	14 I	6 V	189	10'						
6 j	10 w	5 J	6 W	200	15 -						
8 k	8 x	6 K	4 X	8 \$	10						
18 l	10 y	12 L	6 Y	4 &	5 *						
15 m	6 z	12 M	4 Z	5 ?							

1100 of J-4911 Matrices

## ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD										SORTS	
20 a	6 q	8 F	8 U	189	6 :	*Roman				3 %	
12 b	18 r	8 G	6 V	200	12'	with Italic				3 1/8	
12 c	20 s	12 H	6 W	6 \$	5 !	2 fl				3 1/4	
15 d	20 t	12 I	4 X	4 &	10'	2 m				2 3/8	
20 e	12 u	5 J	6 Y	5 ?	15 -	2 m				3 1/2	
12 f	8 v	6 K	4 Z	4 fl	8	2 :				2 3/8	
12 g	8 w	12 L		4 &	5 *	2 (				3 3/8	
16 h	8 x	12 M	181	4 fl	20 thin sp.	2 )				3 %	
20 i	10 y	14 N	182	4 m	20 fig. sp.	2 Z					
6 j	6 z	14 O	183	4 m	20 em sp.	2 &				Small	
8 k		8 P	184	8 (	20.					Caps	
18 l	14 A	5 Q	185	8)	20 ..					2 x	
15 m	10 B	12 R	186	15.	12 —					2 x	
15 n	12 C	14 S	187	15,	4 œ					2 &	
20 o	12 D	14 T	188	8 ;	5 æ						
10 p	16 E										

1100 of J-4911 Matrices

\*Italic figures are not supplied. If desired, they must be ordered separately.

## 50 TWO-LETTER FACES. 1000 Matrices

## ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD										SORTS	
16 a	16 n	15 A	14 N	14 1	8 (	16 thin sp.				4 %	
12 b	16 o	10 B	15 O	14 2	8 )	16 fig. sp.				4 1/2 %	
12 c	10 p	12 C	8 P	14 3	15 .	16 em sp.				4 1/4 %	
15 d	6 q	12 D	5 Q	14 4	15 ,	16 .				4 %	
16 e	16 r	16 E	12 R	14 5	8 ;	16 ..				4 1/2 %	
12 f	16 s	9 F	15 S	14 6	6 :	16 em sp. in m				4 %	
12 g	16 t	9 G	15 T	14 7	12 ' 12 —					4 1/2 %	
16 h	12 u	12 H	9 U	14 8	5 !					4 %	
16 i	8 v	14 I	6 V	14 9	10 ' 15 -						
6 j	10 w	5 J	6 W	16 0	15 -						
8 k	8 x	6 K	4 X	8 \$	10						
16 l	10 y	12 L	6 Y	4 &	5 *						
15 m	6 z	12 M	4 Z	5 ?							

1000 of J-4911 Matrices

## ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD										SORTS		
16 a	14 n	14 A	14 N	14 1	4 ff	10 ' 16 thin sp.	*Roman	3 %		Small		
12 b	16 o	10 B	14 O	14 2	4 ff	15 -	with Italic	3 1/2 %		Caps		
12 c	10 p	10 C	8 P	14 3	4 ff	8	2 ff	3 1/4 %		2 x		
14 d	6 q	12 D	5 Q	14 4	4 ff	5 *	2 ff	3 %		2 z		
16 e	15 r	16 E	12 R	14 5	4 ff	16 thin sp.	2 ff	3 1/4 %		2 &		
12 f	16 s	8 F	14 S	14 6	8 (	16 fig. sp.	2 :	3 %				
12 g	16 t	8 G	14 T	14 7	8 )	16 em sp.	2 (	3 %				
15 h	12 u	10 H	8 U	14 8	15 .	16 .	2 )	3 %				
16 i	8 v	12 I	6 V	14 9	15 ,	16 ..	2 Z					
6 j	8 w	5 J	6 W	16 0	8 ;	12 —	2 &					
8 k	8 x	6 K	4 X	6 \$	6 :	5 m						
15 l	10 y	12 L	6 Y	4 &	12 ' 4 co							
14 m	6 z	10 M	4 Z	5 ?	5 !							

1000 of J-4911 Matrices

\*Italic figures are not supplied. If desired, they must be ordered separately.

## 4 TWO-LETTER FACES. 790 Matrices

## ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD										SORTS	
12a	12n	11A	11N	91	5fl	41				2 1/4	
10b	12o	9B	12O	92	5fl	8'				2 1/4	
10c	8p	10C	7P	93	5fl	10				2 1/4	
11d	6q	10D	5Q	94	5fl	3*				2 1/4	
12e	12r	12E	10R	95	5fl	12 thin sp.				2 1/4	
10f	12s	9F	12S	96	6 (	12 fig. sp.				2 1/4	
10g	12t	9G	12T	97	6)	12 em sp.				2 1/4	
12h	8u	10H	7U	98	12.	12.					
12i	7v	11I	6V	99	12.	12..					
6j	9w	5J	6W	120	5;	10—					
8k	7x	6K	4X	7	5;						
12l	9y	10L	6Y	4&	12—						
11m	6z	10M	4Z	47	10'						

790 of J-4911 Matrices

## ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD										SORTS	
12a	8p	10D	10S	87	12,	4 se				*Roman	2 1/4
10b	6q	12E	12T	88	5;	4 ce				with Italic	2 1/4
10c	12r	8F	6U	89	5;					2 fl	2 1/4
10d	12s	8G	6V	100	12—					2 m	2 1/4
12e	12t	10H	6W	6\$	10'					2 m	2 1/4
10f	8u	10I	4X	4&	41					2:	2 1/4
10g	7v	6J	6Y	47	8'					2 (	2 1/4
12h	8w	5K	4Z	5	10					2)	
12i	6x	10L		5fl	3*					2 Z	Small
6j	9y	10M	81	5fl	12 thin sp.					2 &	Caps
8k	5z	10N	82	5fl	12 fig. sp.						2 x
12l		10O	83	5fl	12 em sp.						2 z
10m	10A	6P	84	6 (	12.						2 a
12n	8B	5Q	85	6)	12..						
12o	10C	10R	86	12.	10—						

790 of J-4911 Matrices

\*Italic figures are not supplied. If desired, they must be ordered separately.

## 90-Channel Full or Three-Quarter Length Magazine

## 5 TWO-LETTER FACES. 677 Matrices

## ROMAN WITH BOLD FACE OR ITALIC

## CAP FONT

KEYBOARD										SORTS	
15A	12J	12S	161	160	16 thin space	8 (				3 AE	
12B	12K	15T	162	10\$	16 figure space	8)				3 CE	
12C	12L	12U	163	16.	16 em space	61					
12D	12M	8V	164	16.	10 em dash	67					
15E	12N	10W	165	10:							
12F	15O	8X	166	12;							
12G	10P	8Y	167	16—							
12H	8Q	8Z	168	16'							
15I	12R	10&	169	16'							

677 of J-4911 Matrices

## 6 LINING GOTHIC FACES. 509 Matrices

SINGLE FONT									
12 A	12 I	6 Q	8 Y	5 1	8 1	8 9	8 -		
9 B	9 J	12 R	4 Z	12 -	8 2	10 0	8 -		
9 C	7 K	12 S		6 *	8 3	5 &			
9 D	11 L	12 T	12 .	6 *	8 4	8 \$	12 thin sp.		
12 E	11 M	10 U	12 ,	*12 -, .166	8 5	2 AE	12 fig. sp.		
9 F	12 N	8 V	8 :	hair line	8 6	2 CE	12 em sp.		
9 G	12 O	8 W	8 ;	*8 -, .0415	8 7	6 (	3 "		
9 H	8 P	6 X	5 ?	hair line	8 8	6 )	2 "		

\*Leader Alignment

509 of J-4911 Matrices

## 7 LINING GOTHIC FACES. 1469 Matrices

THREE FONT COMBINATION (Keyboard Diagram No. 98)

## A—CAP CHANNELS, 485 Matrices

KEYBOARD				SORTS			
12 A	12 I	8 Q	10 ,	8 1	8 9	6 Z	6 -
12 B	12 J	12 R	10 .	8 2	8 0	5 &	5 -
12 C	8 K	12 S	12 em sp.,	8 3	2 AE	6 :	5 -
10 D	12 L	12 T	in cap X channel	8 4	2 CE	6 ;	5 "
12 E	12 M	10 U		8 5	3 "	4 ?	5 "
12 F	12 N	8 V	12 hair line dash	8 6	3 "	4 1	
12 G	12 O	10 W	size .166*	8 7	8 \$	4 (	8 hair line dash
10 H	10 P	8 Y		8 8	8 X	4 )	size .0415*

\*Leader Alignment

## B—SMALL CAP CHANNELS, 514 Matrices

KEYBOARD				SORTS			
12 A	12 J	12 S	12 thin sp.	5 &	8 7	4 ?	5 "
12 B	8 K	12 T	12 fig. sp.	8 1	8 8	4 !	2 AE
12 C	12 L	10 U	12 em sp.	8 2	8 9	4 (	2 CE
10 D	12 M	8 V	10 ,	8 3	8 0	4 )	9 hair line dash
12 E	12 N	10 W	10 .	8 4	3 "	8 -	size .0415*
12 F	12 O	8 X	6 -	8 5	3 "	6 -	6 :
12 G	10 P	8 Y	12 hair line dash,	8 6	8 \$	5 "	6 ;
10 H	8 Q	6 Z	size .166*				
12 I	12 R						

\*Leader Alignment

## C—LOWER CASE CHANNELS, 470 Matrices

KEYBOARD				SORTS			
12 A	12 I	8 Q	8 Y	5 &	8 7	6 :	4 -
12 B	12 J	12 R	6 Z	8 1	8 8	6 ;	5 -
12 C	8 K	12 S		8 2	8 9	4 ?	5 "
10 D	12 L	12 T	10 ,	8 3	8 0	4 !	5 "
12 E	12 M	10 U	10 .	8 4	3 "	4 (	2 AE
12 F	12 N	8 V		8 5	3 "	4 )	2 CE
12 G	12 O	10 W	10 hair line dash,	8 6	8 \$	6 -	8 hair line dash
10 H	10 P	8 X	size .166*				size .0415*

\*Leader Alignment

1469 of J-4911 Matrices

## 90-Channel Split Magazine

## 8 LINING GOTHIC FACES. 979 Matrices

TWO-FONT COMBINATION (Keyboard Diagram No. 138)

## A—RIGHT SIDE OF MAGAZINE, 509 Matrices

KEYBOARD					SORTS	
12 A	12 J	12 S	8 1	8 0	12 thin space	2 A 3"
12 B	8 K	12 T	8 2	8 5	12 figure space	2 C 3"
12 C	12 L	10 U	8 3	10,	12 em space	4 ? 5"
10 D	12 M	8 V	8 4	10.		4 ! 5"
12 E	12 N	10 W	8 5	6 :	12 hair line dash	4 ( 8 X
12 F	12 O	8 Y	8 6	6 ;	size .166*	4 ) 6 Z
12 G	10 P	5 &	8 7	6 -		
10 H	8 Q		8 8	5 '	8 hair line dash	
12 I	12 R		8 9	5 '	size .0415*	

\*Leader Alignment

## B—LEFT SIDE OF MAGAZINE, 470 Matrices

KEYBOARD					SORTS	
12 A	12 I	8 Q	8 Y	8 5	10,	2 A 4)
12 B	12 J	12 R	6 Z	8 6	10.	2 C 4-
12 C	8 K	12 S	5 &	8 7	6 -	6 : 5"
10 D	12 L	12 T		8 8		4 ? 5'
12 E	12 M	10 U	8 1	8 9	10 hair line dash	4 ! 3"
12 F	12 N	8 V	8 2	8 0	size .166*	4 ( 8 X
12 G	12 O	10 W	8 3	8 5		4 ) 6 Z
10 H	10 P	8 X	8 4			5 hair line dash
						size .0415*

\*Leader Alignment

979 of J-4911 Matrices

## 72-Channel Full Length Magazine

## 13 TWO-LETTER FACES. 1200 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD					SORTS	
20 a	20 n	18 A	16 N	18 1	18,	6 Z 2 1/4
18 b	20 o	12 B	16 O	18 2	18.	5 & 2 1/4
20 c	15 p	12 C	12 P	18 3	8 ;	5 : 2 1/4
20 d	10 q	15 D	8 Q	18 4	18 -	4 ? 2 1/2
40 e*	20 r	18 E	12 R	18 5	14 '	4 ! 2 1/4
18 f	20 s	12 F	18 S	18 6	20 thin sp.	5 ( 2 1/4
15 g	20 t	12 G	18 T	18 7	20 fig. sp.	5 ) 2 1/4
18 h	20 u	15 H	15 U	18 8	20 em sp.	5 *
20 i	12 v	16 I	10 V	18 9	10 — in channel 68	
15 j	15 w	15 J	10 W	20 0	14 ' in channel 70	
12 k	12 x	12 K	5 X	10 \$		
20 l	12 y	12 L	8 Y			
18 m	10 z	18 M				

\*20 in first channel.

1200 of J-4911 Matrices

## (70) USEFUL MATRIX INFORMATION

### 72-Channel Three-Quarter Length Magazine

#### 47 TWO-LETTER FACES. 900 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD					SORTS	
16a	16n	15A	14N	141	15,	4Z
12b	16o	10B	15O	142	15.	4&
12c	10p	12C	8P	143	8;	4:
15d	6q	12D	5Q	144	15-	47
32e*	16r	16E	12R	145	12'	4!
12f	16s	9F	15S	146	16 thin sp.	4(
12g	16t	9G	15T	147	16 fig. sp.	4)
16h	12u	12H	9U	148	16 em sp.	
16i	6v	14I	6V	149	8— in channel 68	
6j	10w	5J	6W	140	10' in channel 70	
8k	6x	6K	4X	8\$		
16l	10y	12L	6Y			
15m	6z	12M				

\*16 in first channel.

900 of J-4911 Matrices

### 72-Channel Split Magazine

#### 14 TWO-LETTER FACES. 701 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD					SORTS	
10a	10n	10A	10N	101	10,	5Z 3 1/4
10b	10o	10B	10O	102	10.	5& 3 1/4
10c	10p	10C	8P	103	6;	3: 3 5/8
10d	6q	10D	4Q	104	10-	37 3 1/8
20e*	10r	10E	8R	105	8'	3! 3 5/8
10f	10s	10F	10S	106	10 thin sp.	3( 3 3/4
10g	10t	10G	10T	107	10 fig. sp.	3) 3 3/4
10h	10u	9H	8U	108	10 em sp.	
10i	6v	10I	5V	109	10— in channel 68	
8j	8w	9J	5W	100	8' in channel 70	
6k	6x	6K	4X	8\$		
10l	8y	10L	6Y			
10m	6z	10M				

\*10 in first channel.

701 of J-4911 Matrices



# SUGGESTED FONT SCHEMES (71)

## 90-Channel Full or Three-Quarter Length Magazine

### 9 DISPLAY FACES (LIST A). 770 Matrices

14a	12n	12A	11N	101	30	10 -
10b	14o	9B	12O	102	30	8 -
10c	8p	10C	7P	103	30	8'
12d	5q	10D	4Q	104	30	10'
14e	12r	14E	10R	105	30	15.
10f	14s	8F	12S	106	5 (	15..
9g	14t	8G	12T	107	5)	\$15 thin sp.
12h	9u	10H	8U	108	10.	\$15 fig. sp.
14i	6v	11I	5V	109	10.	\$15 em sp.
6j	8w	6J	6W	120	5:	
6k	6x	6K	3X	6\$	6;	
12l	8y	10L	6Y	3&	4?	
10m	5z	10M	4Z		4!	

725 of J-5025 One-Letter Matrices; 545 of J-4911 Spaces  
755 of J-5040 Two-Letter Matrices (including fig. and em spaces); 15 of J-4911 Thin Spaces

## 90-Channel Split Magazine

### 10 DISPLAY FACES (LIST A). 636 Matrices

12a	10n	8A	8N	61	30	12 -
8b	12o	6B	8O	62	30	10 -
8c	8p	6C	6P	63	30	8'
8d	6q	6D	5Q	64	30	8'
12e	10r	9E	8R	65	30	12.
8f	10s	6F	8S	66	5 (	12..
8g	12t	6G	8T	67	5)	\$12 thin sp.
9h	9u	8H	6U	68	12.	\$12 fig. sp.
12i	6v	8I	6V	69	12.	\$12 em sp.
6j	7w	6J	7W	100	5:	
6k	6x	6K	4X	6\$	6;	
10l	7y	8L	6Y	3&	4?	
8m	6z	6M	4Z		4!	

600 of J-5025 One-Letter Matrices; 536 of J-4911 Spaces  
624 of J-5040 Two-Letter Matrices (including fig. and em spaces); 12 of J-4911 Thin Spaces

## 90-Channel Full Length Magazine

### 11 DISPLAY FACES (LIST A). 619 Matrices

CAP FONT						SORTS	
KEYBOARD							
14A	10K	12U	121	16,	3?	2AE	
12B	12L	8V	102	16.	5!	2CE	
12C	12M	10W	103	6:		21%	
10D	14N	6X	104	8;	\$20 thin sp.	21%	
18E	14O	10Y	155	12-	\$20 fig. sp.	21%	
10F	10P	5Z	106	12'	\$20 em sp.	21%	
10G	8Q	5&	107	12'		2%	
10H	12R		108	20-		2%	
14I	14S		109	3 (		2%	
12J	14T		200	3)			
			10\$				

559 of J-5025 or J-5040 (Two-Letter) Matrices

\$ 60 of J-4911 Spaces

## (72) USEFUL MATRIX INFORMATION

### 90-Channel Split Magazine

## 12 DISPLAY FACES (LIST A). 446 Matrices

		CAP FONT				SORTS
KEYBOARD						
12 A	6 K	8 U	6 I	10 ,	6 ?	2 1/2
8 B	10 L	6 V	6 2	10 .	6 !	2 1/2
8 C	10 M	8 W	6 3	6 :	6 —	2 1/2
8 D	12 N	4 X	6 4	6 ;		2 1/2
12 E	12 O	8 Y	6 5	10 -	\$12 thin sp.	2 1/2
8 F	8 P	6 Z	6 6	8 '	\$12 fig. sp.	2 1/2
8 G	6 Q	6 &	6 7	8 "	\$12 em sp.	2 1/2
8 H	12 R		6 8	4 (		2 1/2
12 I	12 S		6 9	4 )		2 1/2
8 J	12 T		10 0			
			6 \$			

410 of J-5025 or J-5040 (Two-Letter) Matrices

§ 36 of J-4911 Spaces

### 72-Channel Full or Three-Quarter Length Magazine

## 17 DISPLAY FACES (LIST A or B). 690 Matrices

KEYBOARD							SORTS
12a	10l	8w	7G	8R	101	12.	3:
10b	10m	6x	7H	108	102	12.	2!
10c	10n	8y	8I	10T	103	5;	2?
10d	12o	6z	6J	7U	104	8'	2(
32e*	8p		6K	7V	105	10-	2)
10f	7q	10A	8L	7W	106		3&
10g	12r	7B	7M	6X	107	\$12 thin sp. ln	4'
10h	12s	7C	8N	7Y	108	chan. 70. 063	3—
12i	12t	7D	8O	6Z	109	\$11 thin sp. .0277	
8j	10u	14E	8P		100	\$11 fig. sp.	
8k	8v	7F	6Q		3\$	\$15 em. sp. .333	

\*16 in first channel.

List A Faces, 641 of J-5025 or J-5040 (Two-Letter) Matrices § 34 of J-4911 Spaces

List B Faces, 641 of J-5035 or J-5050 (Two-Letter) Matrices † 15 of J-5035 Spaces (24 pt.)

### 72-Channel Split Magazine

## 15 DISPLAY FACES (LIST A or B). 565 Matrices

KEYBOARD						SORTS	
10a	8l	6w	5G	6R	101	10.	3:
8b	8m	5x	6H	68	102	10.	3!
8c	10n	5y	8I	6T	103	5.	2?
8d	10o	5z	4J	6U	104	6.	2(
20e*	8p		4K	4V	105	10-	2)
8f	5q	8A	6L	5W	106		5&
8g	10r	5B	6M	2X	107	\$10 thin sp. in	4'
8h	10s	5C	6N	4Y	108	chan. 70, .083	3-
10i	10t	5D	6O	3Z	109	\$10 thin sp. .0277	
5j	10u	8E	5P		100	\$10 fig. sp.	
5k	5v	5F	4Q		8\$	\$10 em sp. .333	

\*10 in first channel

List A Faces, 525 of J-5025 or J-5040 (Two-Letter) Matrices § 30 of J-4911 Spaces

List B Faces, 525 of J-5035 or J-5050 (Two-Letter) Matrices † 10 of J-5035 Spaces (24 pt.)

# SUGGESTED FONT SCHEMES (73)

## 72-Channel Split Magazine

### 16 DISPLAY FACES (LIST A or B). 414 Matrices

CAP FONT										(SORTS)	
KEYBOARD											
10 A	7 H	10 O	7 V	10 1	10 8	3 ;				5 &	
10 B	10 I	7 P	7 W	10 2	10 9	4 ' 1				3 -	
10 C	7 J	7 Q	6 X	10 3	10 0					2 7	
10 D	7 K	10 R	7 Y	10 4	10 \$	§10 thin sp. .0277				3 !	
10 E	10 L	10 S	6 Z	10 5	10 ,	§10 fig. sp.				2 (	
7 F	7 M	10 T		10 6	10 .	§10 em sp. .333				2 )	
7 G	10 N	7 U		10 7	7 -					4 -	
										3 —	

List A Faces, 384 of J-5025 or J-5040 (Two-Letter) Matrices § 20 of J-4911 Spaces

List B Faces, 384 of J-5035 or J-5050 (Two-Letter) Matrices † 10 of J-5035 Spaces (24 pt.)

## 55-Channel Arrangement

### 72-Channel Full or Three-Quarter Length Magazine

### 20 DISPLAY FACES (LIST B). 653 Matrices

KEYBOARD										(SORTS)	
14 a	12 m	8 y	8 J	6 V						4 X	2 ( 41
11 b	14 n	6 z	6 K	8 W						2 Z	2 ) 42
13 c	14 o		10 L	6 Y						2 &	5 ' 43
12 d	11 p	10 A	8 M								8 ' 44
16 e	8 q	8 B	12 N	9 ,						3 :	3 — 45
13 f	14 r	8 C	12 O	9 .						2 -	46
11 g	14 s	8 D	8 P	6 -						2 7	47
12 h	14 t	14 E	6 Q							3 !	48
14 i	10 u	8 F	12 R	§16 thin space							49
8 j	8 v	8 G	12 S	§16 figure space							60
8 k	10 w	8 H	12 T								4 \$
13 l	6 x	12 I	8 U								

621 of J-5035 or J-5050 (Two-Letter) Matrices

§ 32 of J-4911 Spaces

# (74) USEFUL MATRIX INFORMATION

55-Channel Arrangement  
72-Channel Split Magazine

## 18 DISPLAY FACES (LIST B). 462 Matrices

KEYBOARD						SORTS		
10 a	8 m	5 y	4 J	4 V		3 X	2 (	41
8 h	10 n	5 z	4 K	5 W		3 Z	2 )	42
8 c	10 o		6 L	4 Y		3 &	4 ' 44	43
8 d	8 p	8 A	6 M				4 ' 44	44
10 e	5 q	5 B	6 N	10 .		3 :	3 -	45
8 f	10 r	5 C	6 O	10 .		3 ;		46
8 g	10 s	5 D	5 P	8 -		2 ?		47
8 b	10 t	8 E	4 Q			3 !		48
10 i	8 u	5 F	6 R	§10 thin space				49
5 j	5 v	5 G	6 S	§10 figure space				70
5 k	6 w	6 H	6 T					3 \$
8 l	4 x	8 I	6 U					

442 of J-5035 or J-5050 (Two-Letter) Matrices

§ 20 of J-4911 Spaces

55-Channel Arrangement  
72-Channel Split Magazine

## 19 DISPLAY FACES (LIST B). 338 Matrices

KEYBOARD						CAP FONT SORTS		
10 A	7 G	7 M	10 S	10 .		4 X	3 )	54
10 B	7 H	10 N	10 T	10 .		4 Z	4 ' 55	55
10 C	10 I	10 O	5 U	10 -		4 &	4 ' 56	56
10 D	5 J	5 P	5 V			4 :	3 -	57
10 E	5 K	5 Q	7 W	§10 thin space		4 ;		58
7 F	10 L	10 R	5 Y	§10 figure space		3 ?	51	50
						41	52	50
						3 (	53	4 \$

318 of J-5035 or J-5050 (Two-Letter) Matrices

§ 20 of J-4911 Spaces

Wide 72-Channel Split Magazine

## 49 DISPLAY FACES (LIST A or B). 630 Matrices

KEYBOARD										SORTS	
12 a	10 l	6 w	6 G	7 R	10 1	12 ,				3 &	
8 b	9 m	5 x	7 H	8 S	10 2	12 .				3 :	
8 c	10 n	6 y	8 I	8 T	10 3	6 ;				3 ?	
8 d	12 o	5 z	5 J	6 U	10 4	10 -				3 !	
24 e*	8 p		5 K	4 V	10 5	6 ' 44				3 (	
8 f	5 q	8 A	7 L	5 W	10 6					3 )	
8 g	10 r	6 B	7 M	4 X	10 7	§12 thin sp. in				4 ' 44	
10 h	12 s	7 C	8 N	5 Y	10 8	chan. 70 .083				3 -	
12 i	12 t	7 D	8 O	4 Z	10 9	§12 thin sp. .0277					
5 j	10 u	10 E	6 P		12 0	§12 fig. sp.					
6 k	5 v	6 F	5 Q		8 \$	†12 em sp. .333					

\*12 in first channel

List A Faces, 582 of J-5025 or J-5040 (Two-Letter) Matrices § 36 of J-4911 Spaces

List B Faces, 582 of J-5035 or J-5050 (Two-Letter) Matrices † 12 of J-5035 Spaces (24 pt.)

**21 JOB FONT. 167 Matrices**

"Pi" or Keyboard

DISPLAY OR ROMAN WITH BOLD FACE OR ITALIC

5A	3F	3K	3P	3U	2Z	48	48	4.	2 (
3B	3G	4L	2Q	2V	2&	44	49	2:	2)
4C	4H	4M	5R	3W		45	40	2:	2-
3D	5I	4N	5S	2X	41	46	2\$	2?	4'
7E	3J	5O	5T	2Y	42	47	3,	2!	4'

Two-Letter: 167 of J-4911 Matrices List A: 167 of J-5025 or J-5040 (Two-Letter) Matrices  
List B: 167 of J-5035 or J-5050 (Two-Letter) Matrices

**21A JOB FONTS. 167 Caps, 134 Lower Case**

DISPLAY OR ROMAN WITH BOLD FACE OR ITALIC

CAPS					LOWER CASE				
5A	4L	3W	47	2-	7a	6l	3v		
3B	4M	2X	48	4'	4b	5m	4w		
4C	4N	2Y	49	2!	5c	6n	2x		
3D	5O	2Z	40	2?	5d	7o	3y		
7E	3P		2\$	4'	9e	4p	2z		
3F	2Q	41	2 (	2&	4f	2q			
3G	5R	42	2)		4g	6r	2d		
4H	5S	43	4.		6b	6s	2f		
5I	5T	44	3,		7i	6t	2g		
3J	3U	45	2:		3j	5u	2m		
3K	2V	46	2:		3k		2n		

ROMAN WITH ITALIC AND SMALL CAPS

CAPS					LOWER CASE				
4A	4N	41	2 (	3'	7a	6n	2d		
3B	5O	42	2)	2&	4b	7o	2f		
3C	3P	43	3.	2	4c	3p	2g		
3D	2Q	44	3,	2.	5d	2q	2m		
6E	4R	45	2:	2*	9e	6r	2n		
3F	4S	46	2:		4f	6s	2o		
3G	4T	47	2-	Small	4g	6t	2p		
4H	3U	48	3'	Caps	6b	5u			
4I	2V	49	2!	2x	7i	3v			
3J	3W	40	2?	2z	3j	3w			
3K	2X	2\$			3k	2x			
4L	2Y				5l	3y			
4M	2Z				5m	2z			

Two-Letter: 301 of J-4911 Matrices List A: 301 of J-5025 or J-5040 (Two-Letter) Matrices  
List B: 301 of J-5035 or J-5050 (Two-Letter) Matrices

Auxiliary Magazine

**22 TWO-LETTER OR DISPLAY FACES. 289 Matrices**

KEYBOARD					SORTS		
8A	7H	8O	7W	64	3Q	3&	2'
7B	8I	6P	6Y	65	3X	2!	2'
7C	7J	8R		66	3Z	4-	3\$
7D	5K	8S	§10 em sp.	67	6.	2 (	2:
9E	8L	8T	61	68	6.	2)	3:
8F	7M	5U	62	69	2?	4-	
7G	9N	4V	63	80			

Two-Letter: 289 of J-4911 Matrices List A Faces: 279 of J-5025 or J-5040 (Two-Letter) Matrices  
List B Faces: 279 of J-5035 or J-5050 (Two-Letter) Matrices  
§10 of J-4911 Spaces (up to and including size .267), J-5035 (size .270 to .356)

## (76) USEFUL MATRIX INFORMATION

For TWO Auxiliary Magazines

### 23 TWO-LETTER OR DISPLAY FACES. 490 Matrices

KEYBOARD						SORTS	
10 a	8 l	6 w	6 G	6 R	6 .	3 :	2 1
8 b	8 m	6 x	6 H	6 S	6 ,	2 7	3 1
8 c	8 n	7 y	8 I	8 T	6 ;	3 (	3 )
8 d	10 o	6 z	5 J	6 U	6 4	§8 fig. sp.	4 -
10 e	8 p		5 K	4 V	6 5	§8 em sp.	3 )
8 f	5 q	8 A	6 L	5 W	6 6		4 -
8 g	8 r	6 B	6 M	4 X	6 7		3 &
8 h	8 s	6 C	6 N	5 Y	6 8		4 ' 4 -
10 i	10 t	6 D	6 O	4 Z	6 9		4 ' 4 -
8 j	8 u	8 E	5 P		8 0		4 -
6 k	5 v	6 F	4 Q		6 \$		

Two-Letter: 490 of J-4911 Matrices  
§ 16 of J-4911 Spaces

List A: 474 of J-5025 or J-5040 (Two-Letter) Matrices  
List B: 474 of J-5035 or J-5050 (Two-Letter) Matrices

90-Channel Split Magazine

### 59 TWO-LETTER OR DISPLAY FACES (LIST A).

360 Matrices

CAPS AND POINTS IN CAP OR CENTER CHANNELS OF 90-CHANNEL MAGAZINE  
FIGURES PL. KEYBOARD DIAGRAM NO. 6 OR 22

KEYBOARD					SORTS	
12 A	10 J	12 S	10 ,	10 -	4 &	5 6
10 B	8 K	12 T	10 .	5 -	5 1	5 7
10 C	10 L	6 U	3 :	4 ' 4 -	5 2	5 8
10 D	10 M	6 V	6 ;		5 3	5 9
12 E	12 N	6 W	3 !		5 4	8 0
10 F	8 O	5 X	3 (		5 5	3 \$
10 G	8 P	8 Y	3 )			
10 H	6 Q	5 Z				
8 I	12 R					

Two-Letter: 360 of J-4911 Matrices. List A: 360 of J-5025 or J-5040 (Two-Letter) Matrices

90-Channel Split Magazine

### 52 TWO-LETTER OR DISPLAY FACES (LIST A)

390 Matrices

CAPS AND POINTS IN LOWER CASE CHANNELS OF 90-CHANNEL MAGAZINE  
FIGURES PL. KEYBOARD DIAGRAM NO. 6 OR 22

KEYBOARD					SORTS	
12 A	10 J	12 S	10 ,	4 &	5 7	3 ?
10 B	8 K	12 T	10 .	5 1	5 8	2 !
10 C	10 L	6 U	10 -	5 2	5 9	3 (
10 D	10 M	6 V	§10 thin sp.	5 3	8 0	3 )
12 E	12 N	6 W	§10 fig. sp.	5 4	3 \$	5 -
10 F	8 O	5 X	§10 em sp.	5 5	3 :	4 ' 4 -
10 G	8 P	8 Y		5 6	6 ;	
10 H	6 Q	5 Z				
8 I	12 R					

Two-Letter: 390 of J-4911 Matrices. List A: 360 of J-5025 or J-5040 (Two-Letter) Matrices  
§ 30 of J-4911 Spaces

# SUGGESTED FONT SCHEMES (77)

90-Channel Split Magazine

## 53 TWO-LETTER OR DISPLAY FACES (LIST A)

660 Matrices

CAPS, LOWER CASE AND POINTS IN CENTER AND LOWER CASE CHANNELS,  
OR CAP AND LOWER CASE CHANNELS OF 90-CHANNEL MAGAZINE  
FIGURES PI. KEYBOARD DIAGRAM NO. 6 OR 22

KEYBOARD						SORTS	
12 a	12 n	10 A	10 N	6 fl		3 &	2 :
12 b	12 o	8 B	8 O	2 fl		51	2 ?
12 c	12 p	8 C	8 P	6 fl		52	2 !
12 d	8 q	8 D	5 Q	2 fl		53	3 (
12 e	12 r	10 E	8 R	2 fl		54	3 )
12 f	12 s	8 F	10 S	12 .		55	4 '.
12 g	12 t	8 G	10 T	12 .		56	4 '.
10 h	12 u	8 H	6 U	6 ;		57	
12 i	8 v	6 I	6 V	12 -		58	
10 j	8 w	8 J	8 W	4 —		59	
8 k	8 x	6 K	5 X	§12 thin sp.		80	
12 l	10 y	8 L	8 Y	§12 fig. sp.		3 §	
12 m	8 z	8 M	5 Z	§12 em sp.			

Two-Letter: 660 of J-4911 Matrices. List A: 624 of J-5025 or J-5040 (Two-Letter) Matrices  
§ 86 of J-4911 Spaces

90-Channel Split Magazine

## 54 TWO-LETTER ROMAN WITH ITALIC AND SMALL CAP FACES. 770 Matrices

CAPS, LOWER CASE AND POINTS IN LOWER CASE AND CENTER CHANNELS,  
OR IN LOWER CASE AND CAP CHANNELS OF 90-CHANNEL MAGAZINE  
FIGURES PI. KEYBOARD DIAGRAM NO. 6 OR 22

KEYBOARD						SORTS			
12 a	12 n	12 A	10 N	6 fl	4 (	Roman with	Roman	Small	
12 b	12 o	8 B	8 O	3 fl	4 )	Small Caps	& Italic	Caps	
12 c	12 p	8 C	8 P	6 fl	4 *	2 Z	3 9	3 &	2 x
12 d	10 q	8 D	6 Q	3 fl	12 -	2 &	3 0	51	2 z
12 e	12 r	12 E	10 R	3 fl	8 —	31	2 §	52	2 *
12 f	12 s	8 F	10 S	3 m	4 '.	32	2 fl	53	
12 g	12 t	8 G	10 T	3 oe	4 '.	33	2 fl	54	
12 h	12 u	8 H	6 U	12 .	12 thin sp.	34	2 fl	55	
12 i	10 v	8 I	5 V	12 .	12 fig. sp.	35	2 :	56	
12 j	10 w	10 J	6 W	5 :	12 em sp.	36	2 (	57	
12 k	6 x	6 K	5 X	6 ;	4 .	37	2 )	58	
12 l	12 y	10 L	7 Y	3 ?		38	2 m	59	
12 m	6 z	10 M	5 Z	3 !			2 m	80	
								4 §	

770 of J-4911 Matrices

(78) USEFUL MATRIX INFORMATION

90-Channel Split and Auxiliary Magazine

**24** DISPLAY FACES (LIST A or B). 570 Matrices

LOWER CASE IN CAP CHANNELS OF 90-CHANNEL MAGAZINE  
CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD					SORTS	
12a	12l	7w	7G	8S	61	3Q 12,
10b	10m	5x	7H	8T	62	3X 4;
10c	12n	7y	8I	5U	63	3Z 3:
10d	12o	6z	7J	4V	64	2ff 4'
12e	8p		5K	7W	65	2ff 4'
10f	6q	8A	8L	6Y	66	2ff 2!
10g	12r	7B	7M		67	2ff 2?
10h	12s	7C	9N		68	2ff 6-
12i	12t	7D	8O		69	2( 3&
10j	10u	9E	6P		80	2) 3\$
8k	7v	8F	8R		§10 em space	12. 4—

List A: 560 of J-5025 or J-5040 (Two-Letter) Matrices

§ 10 of J-4911 Spaces

List B: 560 of J-5035 or J-5050 (Two-Letter) Matrices

90-Channel Split and Auxiliary Magazine

**56** DISPLAY FACES (LIST A or B). 600 Matrices

LOWER CASE AND POINTS IN CAP AND CENTER CHANNELS (DIAGRAM NO. 135)  
OF 90-CHANNEL MAGAZINE. CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD					SORTS	
12a	12n	8A	7M	61	5:	2ff
10b	12o	7B	9N	62	6;	2ff
10c	8p	7C	8O	63	5?	2ff
10d	6q	7D	6P	64	5!	2ff
12e	12r	9E	8R	65	5(	2ff
10f	12s	8F	8S	66	5)	3Z
10g	12t	7G	8T	67	12-	3Q
10h	10u	7H	5U	68	8—	3Q
12i	7v	8I	4V	69	8'	3X
10j	7w	7J	7W	80	8'	4\$
8k	6x	5K	6Y	10,	§10 em sp.	
10l	7y	8L		10.		
10m	6z					

List A: 590 of J-5025 or J-5040 (Two-Letter) Matrices

§ 10 of J-4911 Spaces

List B: 590 of J-5035 or J-5050 (Two-Letter) Matrices



# SUGGESTED FONT SCHEMES (79)

## 90-Channel Split and Auxiliary Magazine

### 55 DISPLAY FACES (LIST A). 667 Matrices

LOWER CASE AND POINTS IN LOWER CASE AND CENTER CHANNELS  
(DIAGRAM NO. 135) OF 90-CHANNEL MAGAZINE  
CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD										SORTS
12 a	12 n	8 A	7 M	5 6	6 7	12 -	3 Q			
10 b	12 o	7 B	9 N	5 0	6 8	8 -	3 X			
10 c	8 p	7 C	8 O	5 #	6 9	8 ' 1	3 Z			
10 d	6 q	7 D	6 P	5 00	8 0	8 ' 2	4 \$			
12 e	12 r	9 E	8 R	5 00	10 .	8 ]				
10 f	12 s	8 F	8 S	3 &	10 .	8 .				
10 g	12 t	7 G	8 T		5 :	\$12 thin sp.				
10 h	10 u	7 H	5 U	6 1	6 :	\$12 fig. sp.				
12 i	7 v	8 I	4 V	6 2	5 ?	\$12 em sp.				
10 j	7 w	7 J	7 W	6 3	5 !	\$10 em sp. (Auxiliary)				
8 k	6 x	5 K	6 Y	6 4	5 (					
10 l	7 y	8 L		6 5	5 )					
10 m	6 z			6 6						

List A: 621 of J-5025 or J-5040 (Two-Letter) Matrices

5 46 of J-4911 Spaces

## 72-Channel Split and Auxiliary Magazine

### 57 DISPLAY FACES (LIST A or B). 550 Matrices

LOWER CASE AND POINTS IN LEFT SIDE OF 72-CHANNEL MAGAZINE  
(DIAGRAM NO. 149). CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD										SORTS
10 a	10 n	8 A	7 M	6 1	8 .		2 Q			
8 b	10 o	7 B	9 N	6 2	8 .		2 X			
8 c	8 p	7 C	8 O	6 3	5 :		2 Z			
8 d	5 q	7 D	6 P	6 4	5 ;		2 &			
20 e*	10 r	9 E	8 R	6 5	8 -		1 ?			
8 f	10 s	8 F	8 S	6 6	8 ' 1		1 !			
8 g	10 t	7 G	8 T	6 7	8 ' 2		1 )			
8 h	10 u	7 H	5 U	6 8	\$10 thin sp. .0277		1 (			
10 i	5 v	8 I	4 V	6 9	\$10 fig. sp.		2 —			
5 j	6 w	7 J	7 W	8 0	\$10 em sp.					
5 k	5 x	5 K	6 Y	6 \$	\$10 em sp. .3333					
8 l	6 y	8 L								
8 m	5 z									

\*10 in first channel

List A Faces, 510 of J-5025 or J-5040 (Two-Letter) Matrices 8 30 of J-4911 Spaces

List B Faces, 510 of J-5035 or J-5050 (Two-Letter) Matrices † 10 of J-5035 Spaces (24 pt.)

(80) USEFUL MATRIX INFORMATION

72-Channel Split and Auxiliary Magazine

**58 DISPLAY FACES (List A or B). 510 Matrices**

LOWER CASE AND POINTS IN RIGHT SIDE OF 72-CHANNEL MAGAZINE  
(DIAGRAM NO. 149). CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD										SORTS	
10a	8l	6w	7G	8S	61	8.				2Q	
8b	8m	5x	7H	8T	62	8.				2X	
8c	10n	6y	8I	5U	63	5:				2Z	
8d	10o	5z	7J	4V	64	5;				2&	
10e	8p		5K	7W	65	8-				2-	
8f	5q	8A	8L	6Y	66	8'				1?	
8g	10r	7B	7M		67	8'				1!	
8h	10s	7C	9N		68	\$10 em sp.				1(	
10i	10t	7D	8O		69					1)	
5j	10u	9E	6P		80						
5k	5v	8F	8R		6\$						

List A Faces, 500 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 500 of J-5035 or J-5050 (Two-Letter) Matrices

\$ 10 of J-4911 Spaces (up to and including size .267). J-5035 (size .270 to .356)



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# Linotype Keyboard Diagrams

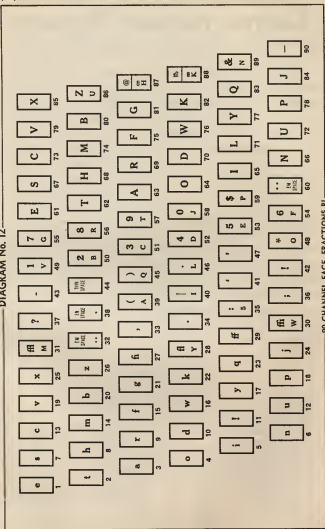
On the following pages are shown twenty-four keyboard diagrams representing those most used in the United States and Canada. They provide a variety to cover practical operating layouts for all models of Linotypes, their individual application depending upon the face desired and the magazine intended.

The diagrams serve a two-fold purpose. First, they show the keyboard buttons to which the individual characters respond in a given layout. Second, they indicate, by the numbers under the buttons, the magazine channels in which the corresponding characters are cut to run. When two channels of lower case "e" are used, the additional channel is number "0" in the magazine.

Any departure from standard layouts is to be avoided due to magazine channel size limitations and the possibility of error in ordering sorts of such specially cut characters. However, if it becomes essential to order characters cut for special channels, always designate location of character by channel number instead of character regularly assigned to that channel. Example: "To run in Channel No. 85, Diagram No. 12," instead of "To run in Cap X Channel."

## THE DIAGRAMS

DESCRIPTION	NUMBER	PAGE	DESCRIPTION	NUMBER	PAGE
<b>90-Channel:</b>			<b>72-90-Channel Keyboard,</b>		
Text and Display Faces ....	12	84	2 in 1 Linotype .....	150	97
Text and Display Faces ....	11	85	<b>72-Channel:</b>		
Advertising Figures .....	32	86	Text and Display Faces ...	103-C	98
Two Lower Case Fonts ....	135	87	Text and Display Faces ...	103	100
One Lower Case and Two			Two Lower Case Fonts ....	149	99
Cap Fonts .....	6	88	<b>55-Channel Face</b> .....	103-A	101
One Lower Case and Two			<b>34-Channel:</b>		
Cap Fonts .....	22-A	89	Caps and Figures .....	52	102
One Lower Case and Two			Caps and Figures .....	163	103
Cap Fonts .....	22-B	90	Lower Case and Points ...	52-A	104
Two Cap Fonts .....	87	91	Advertising Figures .....	51-A	105
Three Cap Fonts .....	6-A	92	<b>28-Channel:</b>		
Three Cap Fonts .....	22	93	Caps .....	95	106
Two Lining Faces .....	138	94	Advertising Figures .....	96	107
Three Lining Faces .....	98	95			
Hebrew .....	13	96			



90-CHANNEL FACE, FRACTIONS PI-  
(Standard Linotype Keyboard)

DIAGRAM No. 11

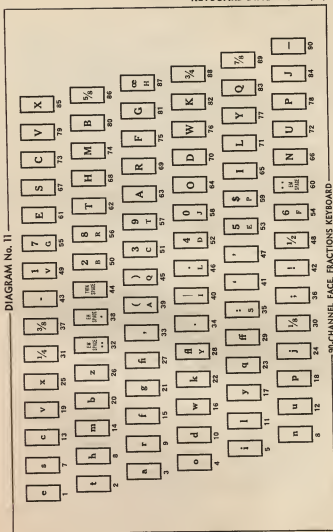


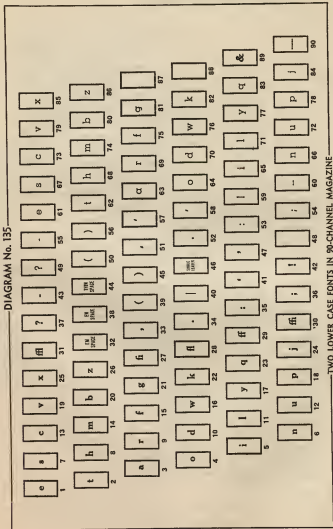
DIAGRAM No. 32

e	s	c	v	x	3	4	-	1	7	E	S	C	V	7
1	7	13	19	25	31	37	43	49	55	61	67	73	79	85
t	h	m	b	z	18 POS	28 POS	38 POS	48 POS	58 POS	T	H	M	B	8
2	8	14	20	26	32	38	44	50	56	62	68	74	80	86
a	r	f	g	fi	,	.	,	3	9	A	R	F	G	9
3	9	15	21	27	33	39	45	51	57	63	69	75	81	87
o	d	w	k	l	.	S	5	4	0	O	D	W	K	0
4	10	16	22	28	34	40	46	52	58	64	70	76	82	88
i	l	y	q	ff	:	:	:	,	5	\$	I	L	Y	Q
5	11	17	23	29	35	41	47	53	59	65	71	77	83	89
n	u	p	j	2	:	\$	6	6	6	..	N	U	P	J
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
														-

ADVERTISING FIGURES IN 90-CHANNEL MAGAZINE



DIAGRAM No. 135



TWO LOWER CASE FONTS IN 90-CHANNEL MAGAZINE

DIAGRAM No. 6

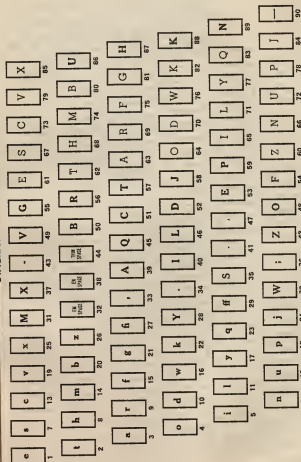
e	s	c	v	x	e	s	c	v	x	e	s	c	v	x	
1	7	13	19	25	31	37	43	49	55	61	67	73	79	85	
t	h	m	b	z	t	h	m	b	z	t	h	m	b	z	
2	8	14	20	26	32	38	44	50	56	62	68	74	80	86	
a	r	f	g	:	a	r	f	g	:	a	r	f	g	:	
3	9	15	21	27	33	39	45	51	57	63	69	75	81	87	
o	d	w	k	o	d	w	k	o	d	w	k	o	d	w	k
4	10	16	22	28	34	40	46	52	58	64	70	76	82	88	
i	l	y	q	i	l	y	q	i	l	y	q	i	l	y	q
5	11	17	23	29	35	41	47	53	59	65	71	77	83	89	
u	p	j	u	p	j	u	p	j	u	p	j	u	p	j	:
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	

LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CENTER

CHANNELS — CAPS OF ANOTHER FACE IN CAP CHANNELS

(Caps in center channels according to regular Cap Layout)

DIAGRAM No. 22-A



LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CENTER

CHANNELS — CAPS OF ANOTHER FACE IN CAP CHANNELS

(Caps in center channels according to regular Small Cap Layout)

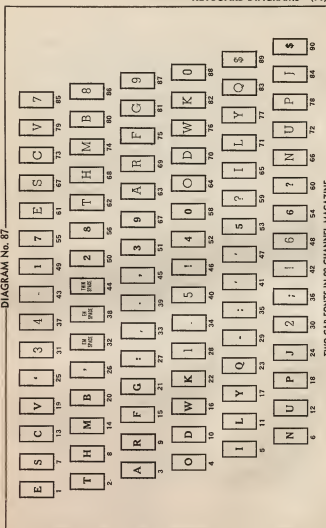
## (90) USEFUL MATRIX INFORMATION

DIAGRAM No. 22-B

e	s	c	v	x	M	X	-	V	G	E	S	C	V	X
1	7	13	19	25	31	37	43	49	55	61	67	73	79	85
t	h	m	b	z	nk 2102	rs 2502	bu 2902	B	R	T	H	M	B	U
2	8	14	20	26	32	38	44	50	56	62	68	74	80	86
a	r	f	g	n	,	A	Q	C	T	A	R	F	G	H
3	9	15	21	27	33	39	45	51	57	63	69	75	81	87
o	d	w	k	y	.	I	L	D	J	O	D	W	K	K
4	10	16	22	28	34	40	46	52	58	64	70	76	82	88
i	l	y	q	ff	S	.	,	E	P	I	L	Y	Q	N
5	11	17	23	29	35	41	47	53	59	65	71	77	83	89
n	u	p	j	w	;	Z	O	F	Z	N	U	P	J	-
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90

LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CAP  
CHANNELS—CAPS OF ANOTHER FACE IN CENTER CHANNELS

DIAGRAM No. 87



TWO CAP FONTS IN 90-CHANNEL MAGAZINE

## (92) USEFUL MATRIX INFORMATION

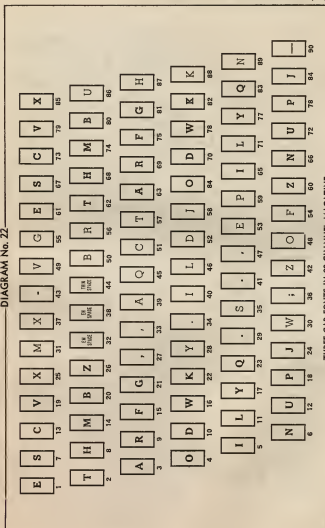
DIAGRAM No. 6-A

E	S	C	V	X	E	S	C	V	X	E	S	C	V	X	E	S	C	V	X
1	7	13	19	25	31	37	43	49	55	61	67	73	79	85					
T	H	M	B	Z	T	H	M	B	Z	T	H	M	B	Z	T	H	M	B	Z
2	8	14	20	26	32	38	44	50	56	62	68	74	80	86					
A	R	F	G	,	A	R	F	G	,	A	R	F	G	,	A	R	F	G	,
3	9	15	21	27	33	39	45	51	57	63	69	75	81	87					
O	D	W	K	.	O	D	W	K	.	O	D	W	K	.	O	D	W	K	.
4	10	16	22	28	34	40	46	52	58	64	70	76	82	88					
I	L	Y	Q	-	I	L	Y	Q	-	I	L	Y	Q	-	I	L	Y	Q	-
5	11	17	23	29	35	41	47	53	59	65	71	77	83	89					
N	U	P	J	IN PAGE	N	U	P	J	IN PAGE	N	U	P	J	IN PAGE	N	U	P	J	IN PAGE
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90					

THREE CAP FONTS IN 90-CHANNEL MAGAZINE

(Caps in center channels according to regular Cap Layout)

DIAGRAM No. 22



THREE CAP FONTS IN 90-CHANNEL MAGAZINE

(Caps in center channels according to regular Small Cap Layout)

TWO LINING FACES IN 90-CHANNEL MAGAZINE—

E	S	C	V	X	3	4	-	1	7	E	S	C	V	7	
1	7	13	18	25	31	37	43	49	55	61	67	73	79	85	
T	H	M	B	Z	THE SPACE	IS SQUEEZE	NEW SPACE	2	8	T	H	M	B	8	
2	8	14	20	26	32	38	44	50	56	62	68	74	80	86	
A	R	F	G	&	,	,	.	,	3	9	A	R	F	G	9
3	9	15	21	27	33	39	45	51	57	63	69	75	81	87	
O	D	W	K	I	.	5	-	4	0	O	D	W	K	0	
4	10	16	22	28	34	40	46	52	58	64	70	76	82	88	
I	L	Y	Q	:	:	,	,	5	\$	I	L	Y	Q	&	
5	11	17	23	29	35	41	47	53	59	65	71	77	83	89	
N	U	P	J	2	:	\$	6	6	6	N	U	P	J	J	
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	
										MAP LINE DATA				MAP LINE DATA	



DIAGRAM No. 98

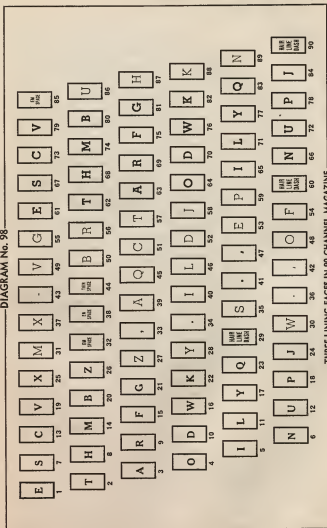


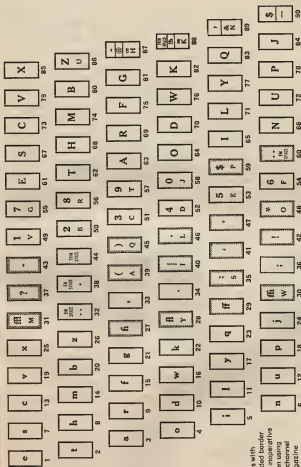
DIAGRAM No. 13

17	25	8	133	134	37	104	110	121	127	17	35	6	133	134
1	7	13	16	18	7	37	43	49	55	61	67	73	79	85
2	8	14	20	26	32	38	44	50	56	62	68	74	80	86
3	9	15	21	27	33	39	45	51	57	63	69	75	81	87
4	10	16	22	28	34	40	46	52	58	64	70	76	82	88
5	11	17	23	29	35	41	47	53	59	65	71	77	83	89
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
1	7	13	19	25	31	37	43	49	55	61	67	73	79	85
2	8	14	20	26	32	38	44	50	56	62	68	74	80	86
3	9	15	21	27	33	39	45	51	57	63	69	75	81	87
4	10	16	22	28	34	40	46	52	58	64	70	76	82	88
5	11	17	23	29	35	41	47	53	59	65	71	77	83	89
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
1	7	13	19	25	31	37	43	49	55	61	67	73	79	85
2	8	14	20	26	32	38	44	50	56	62	68	74	80	86
3	9	15	21	27	33	39	45	51	57	63	69	75	81	87
4	10	16	22	28	34	40	46	52	58	64	70	76	82	88
5	11	17	23	29	35	41	47	53	59	65	71	77	83	89
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90

HEBREW-TWO FONTS IN 90-CHANNEL MAGAZINE

(Numbers over keyboards are character numbers)

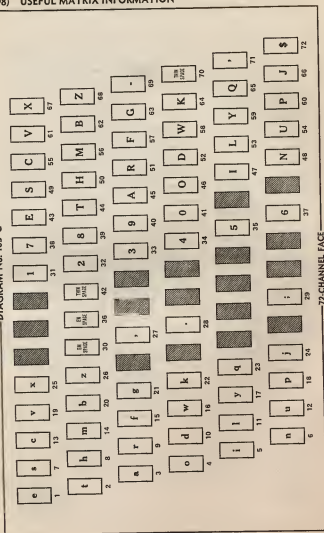
DIAGRAM No. 150



72-90-CHANNEL KEYBOARD, 2 IN 1 LINOTYPE

(Combination of Diagrams 12 and 103-C)

DIAGRAM No. 103-C-

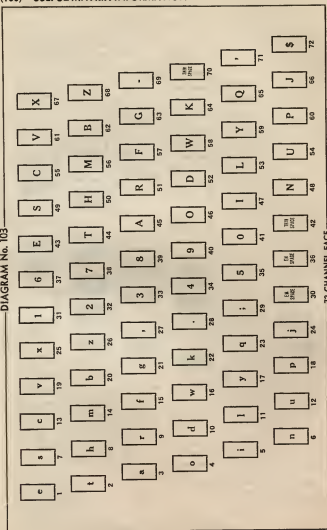


72-90-Channel Keyboard, 2 in 1 Linotype)



(100) USEFUL MATRIX INFORMATION

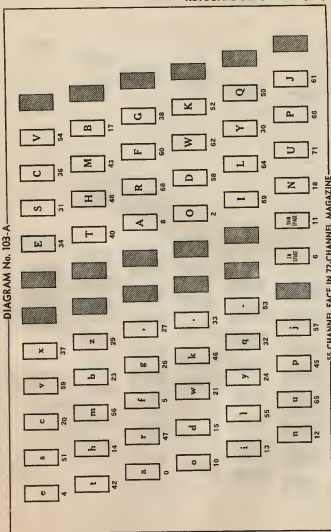
DIAGRAM No. 103



72-CHANNEL FACE

(72-Channel Keyboard)

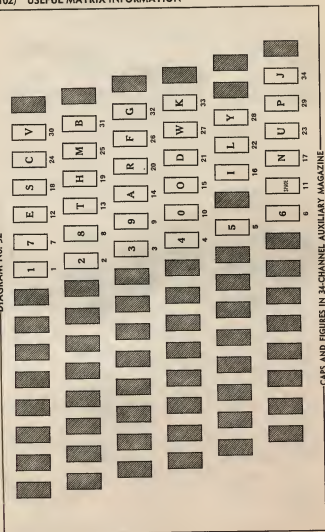
DIAGRAM No. 103-A



55-CHANNEL FACE IN 72-CHANNEL MAGAZINE

(72-Channel Keyboard)

DIAGRAM No. 52

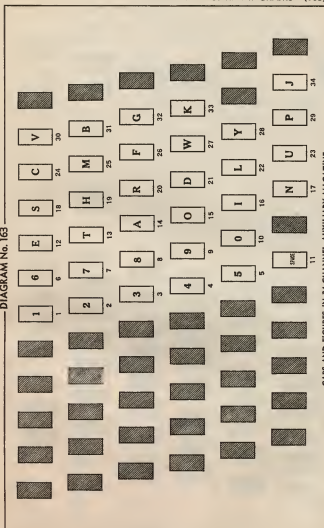


CAPS AND FIGURES IN 34-CHANNEL AUXILIARY MAGAZINE

(90- or 72-90-Channel Keyboard)



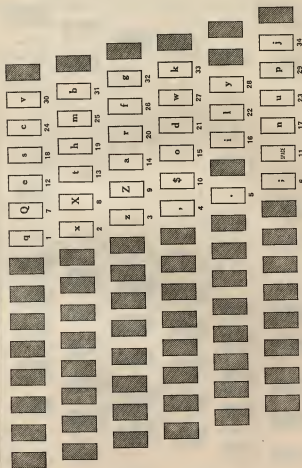
DIAGRAM No. 163



CAPS AND FIGURES IN 34-CHANNEL AUXILIARY MAGAZINE

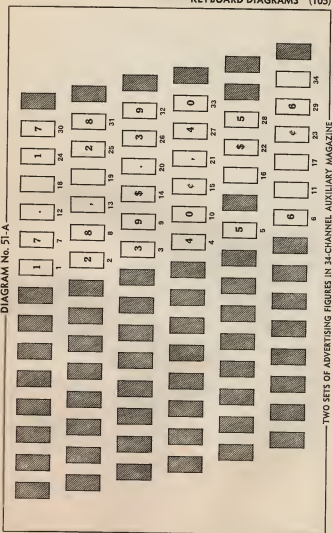
(72-Channel Keyboard)

DIAGRAM No. 52-A



— LOWER CASE AND POINTS IN 34-CHANNEL AUXILIARY MAGAZINE —

DIAGRAM No. 51-A



TWO SETS OF ADVERTISING FIGURES IN 34-CHANNEL AUXILIARY MAGAZINE

DIAGRAM No. 95

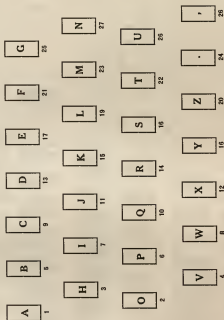
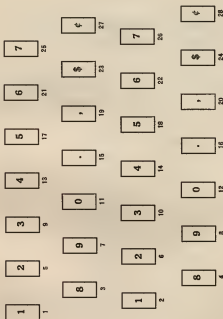


DIAGRAM No. 96



TWO SETS OF ADVERTISING FIGURES IN 28-CHANNEL AUXILIARY MAGAZINE



**ALL-PURPOSE LINOTYPE  
MATRIX  
INFORMATION**



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# The All-Purpose Linotype

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## DESCRIPTION

The A-P-L is a complete, self-contained unit for the casting of type in the form of slugs in faces ranging from 5 point to 144 point; the casting of furniture, rules, borders, decorative and spacing material from 2 point to 72 point body and 42 picas in length. The compositor sets and justifies the matrices by hand in sticks similar to the printer's composing stick. Standard A-P-L matrices are made to align the characters at the bottom in all point sizes up to 144 point. Two-letter, one-letter and display standard Linotype matrices, and other hand-set matrices, may be used with equal facility. As the A-P-L has no complicated technical features, and the main functions are the same as those employed in hand composition, any compositor can quickly become proficient in its operation. The setting and justifying of the line of matrices, letter spacing and other details are handled in exactly the same way as type composition.

The stick of justified matrices is inserted in the jaws, a lever pulled, the slug automatically cast and cooled, ready for immediate use and the stick of matrices returned for distribution. The entire cycle of operation is completed in less than ten seconds. The stick of matrices may be left in the machine and any number of duplicate slugs cast automatically without further attention; or just as soon as the lever is pulled to cast the first line, the operator is free to begin composing another line in an extra stick, without waiting for the first to be delivered.

The A-P-L is essentially a printer's tool and should not be confused with keyboard composing machines with reference to special training or qualifications for its operation. All the common principles of universal practice in setting type by hand are embodied in A-P-L operation.

## EQUIPMENT

To the basic unit may be added many features, some of which are necessary to all installations and others that are desirable, depending upon the requirements of the individual plant. For example, the A-P-L may be used as supplementary equipment to Linotype installations to produce faces beyond the range of the



equipment on the Linatype. In other cases, the A-P-L may be required to cover a complete range of type sizes, also furniture, spacing and ornamental material, rule forms, etc.

### MATRIX DATA

The development of the A-P-L has introduced an entirely new feature in matrix design. The A-P-L matrix, having a perfectly flat banking surface which is presented to the equally flat surface of the mold, performs its function in the machine without friction or wear. This feature insures long life for the matrix. Another exclusive feature of the A-P-L matrix is the development of universal, controlled alignment. The matrices align at the bottom, or base of the letter, which presents unlimited possibilities in typographical arrangement, intricate advertising effects, and composition now difficult to produce by other methods.

### ALIGNMENT

The type families, from 18 point up, have been divided into two classifications, namely high alignment and low alignment, according to the characteristics of design. For example, a face having long descenders (Bodoni) would fall into the high alignment field, while another family having short descenders (Metra) would be low alignment. All sizes, 18 point and larger, of each classification align with each other. Faces of different classification would rarely or never be combined, except perhaps in the smaller sizes. To allow this to be done, all faces, 14 point and smaller, are made on low alignment only.

### ITALIC

Italic faces fall into three classes, depending upon the angle of the characters, namely 12, 15 and 22 degrees. This has been done to preserve true characteristics of design and to avoid that distortion which would necessarily result if a uniform angle for all faces was used.

### FONT SCHEMES

A generous variety of the most popular faces is available in a full range of sizes. For convenience, three different sizes of suggested fonts are provided, any of which may be increased or decreased to meet individual requirements. An installation may be modestly begun and additional sorts purchased as needed.

For general composition requirements up to 72 point the No. 3 fant is recommended. The No. 1 fant is sufficient for 22-pica lines. No. 2 fant is adequate for open display matter in 42-pica lines, but No. 3 is preferable for general use where the maximum measure of 42 is frequently required.

Fant schemes for sizes above 72 point have not been suggested, since it is recommended that only one matrix of each character be ordered for casting type for the case by cutting it on the saw.

#### **USE OF NON-A-P-L MATRICES**

Regular Linotype matrices, in a great variety of faces, may be used on the A-P-L, by providing the proper stick and mold for that purpose. Other hand-set matrices may also be used on the A-P-L by the use of a special stick only.

Regular Linotype and other hand-set matrices, being different in shape and design, cannot be mixed in the same line with A-P-L matrices, nor with each other. If necessary, they can be cast separately and cut in.

#### **SPACES**

The use of high and low spaces is well understood by the trade. High spaces may be reversed in the stick to cast low. High spacing material is required for good stereotyping conditions and for wax maulding. Low spaces are used in all combination casting with overhanging slugs.

#### **MATRIX BLOCKS**

We will supply in the form of A-P-L matrix blacks many of the designs which have been produced heretofore in Linotype matrix slides. This would ordinarily apply to plain rule combinations, and the body size would be limited to 36 point. Full face rules up to 144 point body, for tint blacks and heavy bands, can be supplied on special order, and prices will be quoted on request. Where we are required to make any design, whether rule or ornamental, larger than 36 point, the price will be quoted on request.

All A-P-L matrix blacks with a design on one side can be reversed for casting low furniture or if desired, a cut can be made in the opposite side for casting high furniture, without extra charge. All designs will have to cast on a body two points larger than the corresponding Linotype matrix slide point size, owing to the taper on the side of the routing.

### ACCENTS

Low cap accents cannot be supplied with A-P-L faces. It is necessary to use high caps in all cases. This requires that a given face be cast on a body size from 6 to 12 points larger than the point size of the face, with corresponding change in alignment adjustment by means of the dial.

For example, a line of 60 point with cap accents must be cast on 72 point body, with the dial set for 72 point alignment. Alternatively, any face can be cast on its own body and alignment, by allowing the accent to overhang on the constant edge supported by under-pinning. Piece accents, cast on a separate 12 point slug and justified over individual characters as in hand type, must be used on all faces 72 point and larger. All lower case accents, except ascending characters, can be cut on the matrix and cast on its own body and alignment.

## A-P-L Faces

[illegible]



# A-P-L Matrix Font Schemes

## ROMAN AND ITALIC

Point Size	14 to 24			30 to 48			54 & 60			72		
Font Scheme	1	2	3	1	2	3	1	2	3	1	2	3
A	5	6	7	5	5	6	3	3	5	3	3	5
B	4	5	5	3	3	5	2	2	4	3	2	4
C	4	5	8	3	3	5	3	3	5	3	2	3
D	4	5	6	3	3	5	4	4	6	4	4	5
E	4	4	4	3	3	5	2	2	4	2	2	3
F	4	4	4	3	3	5	2	2	4	2	2	3
G	4	5	6	3	3	5	2	2	4	2	2	3
H	4	4	4	3	3	5	2	2	4	2	2	3
I	4	5	6	3	3	5	3	3	5	3	3	4
J	4	5	6	3	3	5	2	2	4	2	2	3
K	4	5	6	3	3	5	2	2	4	2	2	3
L	4	5	6	3	3	5	2	2	4	2	2	3
M	4	4	6	3	3	4	2	2	4	2	2	3
N	4	5	7	4	4	6	3	3	4	3	3	3
O	4	5	7	4	4	6	3	3	4	3	3	3
P	4	4	4	3	3	4	2	2	4	2	2	3
Q	4	4	4	3	3	4	2	2	4	2	2	3
R	4	4	4	3	3	4	2	2	4	2	2	3
S	4	4	4	3	3	4	2	2	4	2	2	3
T	4	4	4	3	3	4	2	2	4	2	2	3
U	4	4	4	3	3	4	2	2	4	2	2	3
V	4	4	4	3	3	4	2	2	4	2	2	3
W	4	4	4	3	3	4	2	2	4	2	2	3
X	4	4	4	3	3	4	2	2	4	2	2	3
Y	4	4	4	3	3	4	2	2	4	2	2	3
Z	4	4	4	3	3	4	2	2	4	2	2	3
a	6	6	10	5	5	6	3	3	6	3	3	5
b	4	5	6	3	3	5	3	3	4	3	3	4
c	4	5	6	3	3	5	3	3	4	3	3	4
d	4	5	8	3	3	5	3	3	4	3	3	4
e	4	5	6	3	3	4	3	3	4	3	3	4
f	4	5	6	3	3	4	3	3	4	3	3	4
g	4	5	6	3	3	4	3	3	4	3	3	4
h	4	5	6	3	3	4	3	3	4	3	3	4
i	4	5	6	3	3	4	3	3	4	3	3	4
j	4	5	6	3	3	4	3	3	4	3	3	4
k	4	5	6	3	3	4	3	3	4	3	3	4
l	4	5	6	3	3	4	3	3	4	3	3	4
m	4	5	7	3	3	4	3	3	4	3	3	4
n	4	5	7	3	3	4	3	3	4	3	3	4
o	4	5	7	3	3	4	3	3	4	3	3	4
p	4	5	7	3	3	4	3	3	4	3	3	4
q	4	5	7	3	3	4	3	3	4	3	3	4
r	4	5	7	3	3	4	3	3	4	3	3	4
s	4	5	7	3	3	4	3	3	4	3	3	4
t	4	5	7	3	3	4	3	3	4	3	3	4
u	4	5	7	3	3	4	3	3	4	3	3	4
v	4	5	7	3	3	4	3	3	4	3	3	4
w	4	5	7	3	3	4	3	3	4	3	3	4
x	4	5	7	3	3	4	3	3	4	3	3	4
y	4	5	7	3	3	4	3	3	4	3	3	4
z	4	5	7	3	3	4	3	3	4	3	3	4
1	4	5	8	3	3	4	3	3	4	3	3	4
2	4	5	8	3	3	4	3	3	4	3	3	4
3	4	5	8	3	3	4	3	3	4	3	3	4
4	4	5	8	3	3	4	3	3	4	3	3	4
5	4	5	8	3	3	4	3	3	4	3	3	4
6	4	5	8	3	3	4	3	3	4	3	3	4
7	4	5	8	3	3	4	3	3	4	3	3	4
8	4	5	8	3	3	4	3	3	4	3	3	4

## A-P-L FONT SCHEMES (117)

[illegible]

Italic font totals, shown in parentheses, are three less than corresponding Roman totals, due to the omission of three fractions,  $\frac{1}{2}$ ,  $\frac{1}{3}$  and  $\frac{2}{3}$  in all Italic fonts.

NOTE: Ramon and Italic A-P-L faces are also available in 6, 8, 10 and 12 point sizes. Quantities are double those of 14 pt. No 1 Schemes. Sarts, J-3849; Fonts, J-4510.

## A-P-L SPACE FONT SCHEMES

ROMAN (LOW AND HIGH)

Body Size	18			24-30			36-48			54-60			72		
Font Scheme	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Widths															
48 pt.	.	4	.	.	4	.	.	4	.	.	4	.	.	4	.
36 pt.	2	6	.	.	6	.	.	6	.	.	6	.	.	6	.
24 pt.	2	4	8	.	.	.	.	6	.	.	6	.	.	6	.
18 pt.	4	4	8	2	4	8	.	4	8	.	4	8	.	4	8
12 pt.	8	8	10	8	8	10	6	6	10	6	6	8	6	6	8
6 pt.	10	10	12	10	10	12	8	8	12	8	8	10	6	8	10
2 pt.	14	14	16	10	12	16	8	8	14	8	8	12	8	8	12
1 pt.	14	14	16	10	12	16	8	8	14	8	8	12	8	8	12
Total No. 1	54			40			30			30			30		
Total No. 2		56			46			34			30			64	
Total No. 3			80			80			72						64

## ITALIC (LOW AND HIGH)

		12"-15"-22"			24-30			36-72		
Body Size		18	2	3	1	2	3	1	2	3
Font Scheme	1	4	2	3	2	4	3	1	2	3
Widths										
18 pt.	4	4	8	2	4	8		4	8	
12 pt.	8	8	10	8	6	10	6	6	10	
10 pt.	10	10	12	10	10	12	8	8	14	
8 pt.	14	14	16	10	12	16	8	8	14	
6 pt.	14	14	16	10	12	16	8	8	14	
4 pt.	14	14	16	10	12	16	8	8	14	
Total No. 1.	50			40			30			
Total No. 2.		50			44			34		
Total No. 3.			62			62			58	

\*Body size indicates size of face for which respective quantities of spaces are suggested.

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# Typographic REFINEMENTS

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• MARK **LINOTYPE** MARK •

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Several major typographic refinements have recently been introduced by Linotype in the field of machine composition. These include:

## *A True One-Letter Italic*

in which the grace and beauty of the original italic is reproduced with fidelity. *Notice the full sweep in the lower kerning portion of the eff*

ONE-LETTER ITALIC, SPECIAL NO. 5

*abcdefghijklmnopqrstuvwxy*z

## SPECIAL TWO-LETTER SMALL CAPS

which are slightly larger than the conventional small caps, with each character correctly proportioned in weight and width

SPECIAL TWO-LETTER SMALL CAPS

ABCDEFGHIJKLMN**OP**QRSTU**VW**XYZ&

ABCDEFGHIJKLMN**OP**QRSTU**VW**XYZ&

## ADDITIONAL LOGOTYPES

in all point sizes, to further refine the fitting of Roman and Italic characters and remove unsightly open spaces in certain letter combinations

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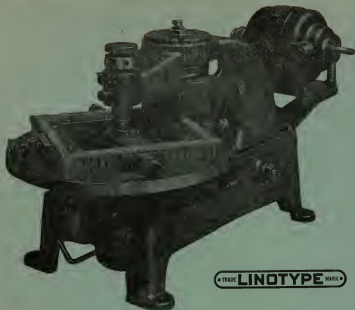
## Linotype Matrix Orders

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All orders for Linotype matrices should be written on standard Linotype order forms. This will enable your order to be filled accurately and promptly.

Order forms for either Linotype faces, accents, fractions, special characters, typographic refinement characters, and border matrices and slides may be obtained in any quantity free on request from your nearest Linotype Agency.

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• TRADE MARK •  
**LINOTYPE**

## **SURFACING MACHINE**

**... For All Forms of Display  
Type Metal Printing Material**

This is a precision tool, designed and built with characteristic Linotype workmanship and quality throughout. It is so simple in principle, so certain in operation, so productive in capacity that a five-minute demonstration will amaze you. Production is continuous, and anyone in the composing-room can operate it. Material to be processed may easily be inserted and removed without slowing or stopping the machine. Depth of cut may be regulated to within the fractional part of one one-thousandth of an inch.

Write the nearest agency for the explanatory descriptive folder which gives additional details.

**USEFUL  
MATRIX  
INFORMATION**



**OCTOBER, 1937**